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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

SINCE FILE TOTAL ENTRY SESSION 148.49 565.44 COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION

CA SUBSCRIBER PRICE -20.83 -37.76

STN INTERNATIONAL LOGOFF AT 09:47:30 ON 23 JAN 2003

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-22-3 CAPLUS
1H-Pyrazole, 4-[(3,5-dichlorophenyl)methyl]-3,5-dimethyl- (9CI) (CA CN INDEX NAME)

RN 390355-37-0 CAPLUS CN 1H-Pyrazole-1-propanoic acid, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-, ethyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-40-5 CAPLUS 1H-Pyrazole-1-methanol, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl- (9CI) (CA INDEX NAME)

390355-42-7 CAPLUS 1H-Pyrazole-1-ethanamine, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-(sci) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-45-0 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4-[(3,5-dichlorophenyl)thio]-5-ethyl-1-(2-hydroxyethyl)-, ethyl ester (SCI) (CA INDEX NAME)

390355-46-1 CAPLUS
1H-Pyrazole-5-carboxylic acid, 4-[(3,5-dichlorophenyl)thio]-3-ethyl-1-(2-hydroxyethyl)-, ethyl ester (9CI) (CA INDEX NAME)

390355-83-6 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4-[(3,5-dichlorophenyl)methyl]-1-(2-hydroxyethyl)-5-methyl-, ethyl ester (9CI) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-92-7 CAPLUS 1H-Pyrazole-1-ethanol, 4-[(3,5-dibromophenyl)thio]-3,5-diethyl- (9CI) INDEX NAME)

pr 39355-00-7P, 2-[4-(3,5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 39355-02-9P, 2-[4-(3-Chlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 390355-03-0P, 2-[4-(3,5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 390355-04-P, 2-[4-(3,5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 390355-07-P, 2-[4-(3,5-Dichlorobenzyl)-5-isopropyl-3-methyl-1H-pyrazol-1-yl]ethanol 390355-07-P, Ethyl [4-(3,5-Dichlorobenzyl)-5-isopropyl-3-methyl-1H-pyrazol-1-yl]acetate 390355-09-Ethyl [4-(3,5-Dichlorobenzyl)-3-isopropyl-3-methyl-1H-pyrazol-1-yl]acetate 390355-09-Ethyl [4-(3-fluorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yl]acetate 390355-19-P, 2-[4-(3,5-Dichlorobenzyl)-3-5-dimethyl-1H-pyrazol-1-yl]ethanol 390355-12-P, 2-[4-(3,5-Dichlorobenzyl)-3-5-methyl-1H-pyrazol-1-yl]ethanol 390355-13-P, Ethyl [4-(3-chlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 390355-14-P, Ethyl [4-(3-chlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 390355-13-P, Ethyl [4-(3-chlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 3-dimethyl-1H-pyrazol-1-yl]ethanol 3-isopropyl-5-methyl-1H-pyrazol-1-yl]ethanol 3-isopropyl-5-methyl-1H-pyrazol-1-y

2 - [4 - [(3,5 - Dichlorophenyl) sulfonyl] - 3,5 - dimethyl - 1H - pyrazol - 1 - yl] ethanol

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
390355-23-4P, 2-(4-(3,5-Dichlorobenzyl)-3,5-dimethyl-1M-pyrazol-1yl]ethanamine 390355-24-5P, 2-(4-(3,5-Dichlorobenzyl)-5-ethyl-3(trifluoromethyl)-1H-pyrazol-1-yl]ethanol 390355-25-6P,
2-(4-(3,5-Dichlorobenzyl)-3-ethyl-5-(trifluoromethyl)-1H-pyrazol-1yl]ethanol 390355-26-7P, 2-(4-(3,5-Dichlorobenzyl)-5-ethyl-3methyl-1H-pyrazol-1-yl]ethanol 390355-27-8P,
2-(4-(3,5-Dichlorobenzyl)-3-ethyl-5-methyl-1H-pyrazol-1-yl]ethanol
390355-32-5P, (3,5-Dichlorobenzyl)-3,5-diethyl-1-(2-hydroxyethyl)1H-pyrazol-4-yl]methanone 390355-33-6P, (++-)-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethanol 390355-35-9P, 2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethanol 390355-35-P, 2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethyl-1H-pyrazol-1-yl]-1-propanol 390355-46-9P, Methyl
1-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]propanamid 390355-39-2P, 3-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]propanamid 390355-39-2P, 3-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]propanamid 390355-39-2P, 3-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]pthylDenzamide 390355-44-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-44-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-44-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-44-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-44-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-40-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-40-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-40-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-40-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-40-9P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1yl]ethylDenzamide 390355-

2-[4-[(3,5-Dichlorophenyl)sulfanyl)-5-ethyl-3-(hydroxymethyl)-1H-pyrazol-1-yl]ethanol 390355-49-4P, 3-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]-1-propanamine 390355-50-7P,

1H-pyrazol-1-yi]-1-propanamine 390335-30-7,

2-[4-[(3,5-Dichlorophenyl) sulfanyl]-3-ethyl-5-(hydroxymethyl)-1H-pyrazol-1-yl]ethanol 390355-51-8P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2,2-difluoroacetamide 390355-52-9P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]ethanediamide 390355-33-0P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-6-cox-1,6-dihydro-3-pyridazinecarboxamide 390355-54-1P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-1,5-dimethyl-1H-pyrazole-3-carboxamide 390355-55-2P, 2-[(Aminocarboxyl)-3,1-diethyl-1H-pyrazol-1-yl]ethyl]-2-ethoxyacetamide 390355-57-4P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-ethoxyacetamide 390355-57-4P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-methoxyacetamide 390355-59-6P,

N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-6-oxo-1,6-dihydro-2-pyridimecarboxamide 390355-60-9P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-pyrazinecarboxamide 390355-61-0P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-oxo-2H-pyran-5-carboxamide 390355-62-1P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(1H-tetrazol-1-yl)acetamide 390355-63-2P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-furancarboxamide 390355-64-3P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-yl-pyrazol-1-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyrazol-yl-pyra

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) hydroxysectamide 390355-66-3P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-1,2,3-thiadiazole-4-carboxamide 390355-67-6P, N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(dimethylaminol acetamide 390355-67-P), Part (3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(fluorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-fluorobenzamide 390355-70-1P, [4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-fluorobenzamide 390355-77-1P, [4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2,6-difluorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2,6-difluorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2,6-difluorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2,4-dioxo-1,2,3,4-tetrahydro-5-pyrimidinesulfonamide 390355-76-P, [4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2,4-dioxo-1,2,3,4-tetrahydro-5-pyrimidinesulfonamide 390355-76-P, [4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-3-yl]acetonitrile 390355-76-P, [4-(3,5-Dichlorobenzyl)-1-(2-hydroxyethyl)-1-(3-hydroxyethyl)-1-(3-hydroxyethyl)-1-(3-hydroxyethyl)-1-(3-hydroxyethyl)-1-(3-hydroxyethyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl (3-0,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3,5-diethyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3,5-diethyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3,5-diethyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3,5-diethyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3,5-diethyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3,5-diethyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3,5-diethyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3-methyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3-methyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3-methyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3-methyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3-methyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3-methyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3-methyl-1-H-pyrazol-1-yl]ethyl-1-(3-hydroxyethyl)-3-methyl-1-H-pyrazol-1 (Uses)
 (drug candidate; prepn. of pyrazole derivs. as reverse transcriptase
 inhibitors for the treatment of HIV infection and AIDS)
390355-00-7 CAPLUS
H1-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-5-methyl-3-(1-methylethyl)- (9CI) (CA INDEX NAME)

390355-02-9 CAPLUS 1H-Pyrazole-1-ethanol, 4-[(3-chlorophenyl)methyl)-5-methyl-3-(1-methyle-thyl)- (9C1) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-03-0 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3,5-difluorophenyl)methyl]-5-methyl-3-(1-methylethyl)- (9C1) (CA INDEX NAME)

390355-04-1 CAPLUS HH-Pyrazole-1-ethanol, 4-[(3-fluorophenyl)methyl)-5-methyl-3-(1-methylethyl)- (9CI) (CA INDEX NAME)

390355-05-2 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-3-methyl-5-(1-methyl)- (9C1) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-07-4 CAPLUS 390355-07-4 CAPLUS
HH-Pyrazole-1-acetic acid, 4-[(3,5-dichlorophenyl)methyl]-3-methyl-5-(1-methylethyl)-, ethyl ester (9CI) (CA INDEX NAME)

390355-08-5 CAPLUS 1H-Pyrazole-1-acetic acid, 4-{(3,5-dichlorophenyl)methyl}-3,5-diethyl-, ethyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-09-6 CAPLUS
CN 1H-Pyrazole-1-acetic acid, 4-[(3-fluorophenyl)methyl]-5-methyl-3-(1-methylethyl)-, ethyl ester (9CI) (CA INDEX NAME)

RN 390355-11-0 CAPLUS
CN 1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-3,5-dimethyl- (9CI)
(CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-12-1 CAPLUS
CN 1H-Pyrazole-1-ethanol, 4-{(3,5-dichlorophenyl)methyl}-5-methyl-3(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 390355-13-2 CAPLUS
CN 1H-Pyrazole-1-ethanol, 4-[(4-chlorophenyl)thio]-3,5-dimethyl- (9CI) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-14-3 CAPUUS
CN IH-Pyrarole-1-acetic acid, 4-[(3-chlorophenyl)methyl]-5-methyl-3-(1-methylethyl)-, ethyl ester (9C1) (CA INDEX NAME)

RN 390355-15-4 CAPLUS

NH-Pyrazole-1-acetic acid, 4-[(3,5-difluorophenyl)methyl]-5-methyl-3-(1-methylethyl)-, ethyl eater (SCI) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-18-7 CAPLUS
CN 1H-Pyrazole, 4-[(3-fluorophenyl)methyl]-3-methyl-5-(1-methylethyl)- (9Cl)
(CA INDEX NAME)

RN 390355-21-2 CAPLUS
CN H-Fyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)sulfonyl]-3,5-dimethyl(SCI) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) 390355-23-4 CAPLUS 1H-Pyrazole-1-ethanamine, 4-[(3,5-dichlorophenyl)methyl]-3,5-dimethyl-(SCI) (CA INDEX NAME)

390355-24-5 CAPLUS
1H-Pyrazole-1-ethanol, 4-{(3,5-dichlorophenyl)methyl}-5-ethyl-3-{trifluoromethyl}- (9CI) (CA INDEX NAME)

сн₂-- сн₂-- он

390355-25-6 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-3-ethyl-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-32-5 CAPLUS
CN Methanone,
(3,5-dichlorophenyl)[3,5-diethyl-1-(2-hydroxyethyl)-1H-pyrazol-4-yl]- (9CI) (CA INDEX NAME)

сн₂-- сн₂-- он

390355-33-6 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methoxymethyl]-3,5-diethyl-(9C1) (CA INDEX NAME)

сн₂- сн₂- он

390355-34-7 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(2,6-difluorophenyl)methyl]-3,5-diethyl- (9CI)
(CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

СH2-СH2-ОН

390355-26-7 CAPLUS 1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-5-ethyl-3-methyl-(9C1) (CA INDEX NAME)

сн₂-- сн₂-- он

390355-27-8 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyI)methyl]-3-ethyl-5-methyl-(9CI) (CA INDEX NAME)

сн2-сн2-он

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS

CH2-CH2-OH

390355-35-8 CAPLUS
1H-Pyrazole-1-ethanol, 4-{(3,5-dichlorophenyl)methyl}-3,5-diethyl-, carbamate (ester) (9CI) (CA INDEX NAME)

о Сн₂- сн₂- о- с- ин₂

RN 390355-36-9 CAPLUS
CN 1H-Pyrazole-1-propanoic acid,
4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-,
methyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 39D355-3B-1 CAPLUS
CN H-Pyrazole-1-propanamide, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl(9C1) (CA INDEX NAME)

RN 390355-39-2 CAPLUS
CN 1H-Pyrazole-1-propanol, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl- (9CI)
(CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-41-6 CAPLUS
CM 1H-Pyrascle-1-methanol, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-,
carbamate (ester) [9CI) (CA INDEX NAME)

RN 390355-43-8 CAPLUS
CN Benzamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-lH-pyrazol-1yl]ethyl]- (9CI) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued

RN 390355-44-9 CAPLUS
CN 1H-Imidazole-4-sulfonamide, N-[2-{4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl}-1-methyl- (9CI) (CA INDEX NAME)

RN 390355-47-2 CAPLUS
CN 1H-Pyrazole-3-carcboxamide, 4-[(3,5-dichlorophenyl)thio]-5-ethyl-1-(2-hydroxyethyl)- (SCI) (CA INDEX NAME)

RN 390355-48-3 CAPLUS
CN 1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)thio]-5-ethyl-3-

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued (hydroxymethyl)- (9CI) (CA INDEX NAME)

RN 390355-49-4 CAPLUS
CN 1H-Pyrazole-1-propanamine, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl(9CI) (CA INDEX NAME)

RN 390355-50-7 CAPLUS
NH-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)thio]-3-ethyl-5-(hydroxymethyl)- (9CI) (CA INDEX NAME)

RN 390355-51-8 CAPLUS

Kamal Saeed

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) Acetamide, N-(2-14-[(3.5-dichlorophenyl)methyl)-3,5-diethyl-1H-pyrezol-1-yllethyl/-2,2-difluoro-(967) (CA INDEX NAME)

RN 390355-52-9 CAPLUS
CN Ethanediamide,
[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]- (9C1) (CA INDEX NAME)

RN 390355-53-0 CAPLUS
CN 3-Pyridazinecarboxamide,
N-(2-(4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl1H-pyrazol-1-yl]ethyl]-1,6-dihydro-6-oxo- (9CI) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-56-3 CAPLUS Acetamide, N-[2-[4-[(3,5-dichloropheny1)methy1]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-ethoxy- (9CI) (CA INDEX NAME)

RN 390355-57-4 CAPLUS
CN 2-Pyridinecarboxamide,
N-[2-[4-[(3,5-dichloropheny])methyl]-3,5-diethyl-1Hpyrazol-1-yl]ethyl]- (9CI) (CA INDEX NAME)

390355-58-5 CAPLUS Acetamide, N-[2-[4-[3,5-dichlorophenyl]methyl]-3,5-diethyl-1H-pyrazol-1-yllethyl]-2-methoxy- (9CI) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-54-1 CAPLUS
1H-Pyrazole-3-carboxamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-dichly-1H-pyrazol-1-yl]ethyl]-1,5-dimethyl- (9CI) (CA INDEX NAME)

390355-55-2 CAPLUS Acetamide, 2-[(4-[(3,5-dichlorophenyl)methyl)-3,5-dichlyl-1H-pyrazol-1-yllethyl]- (9CI) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-59-6 CAPLUS
CN 2-Pyridinecarboxamide,
N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1Hpyrazol-1-yl]ethyl]-1,6-dihydro-6-oxo- (9CI) (CA INDEX NAME)

390355-60-9 CAPLUS
Pyrazinecarboxamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]- (9CI) (CA INDEX NAME)

390355-61-0 CAPLUS 2H-Pyran-5-carboxamide, N-{2-[4-{(3,5-dichlorophenyl)methyl}-3,5-diethyl-

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) 1H-pyrazol-1-yl]ethyl]-2-oxo- (9C1) (CA INDEX NAME)

RN 390355-62-1 CAPLUS
CN 1H-Tetrazole-1-acetamide,
N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl1H-pyrazol-1-yl]ethyl]- (9CI) (CA INDEX NAME)

390355-63-2 CAPLUS 2-Furancarboxanide, N-[2-[4-{(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]tetrahydro- (9C1) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

 $\label{lem:continuous} \begin{tabular}{ll} 390355-67-6 & CAPLUS \\ Acetamide, N-\{2-\{4-\{(3,5-dichlorophenyl)methyl]-3,5-diethyl-lH-pyrazol-l-yl]ethyl]-2-(dimethylamino)- (9CI) & (CA INDEX NAME) \\ \end{tabular}$

390355-68-7 CAPLUS Acetamide, 2-cyano-N-[2-(4-(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]- (9C1) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

 $\label{eq:continuous} \begin{array}{lll} 390355\text{-}64\text{-}3 & \text{CAPLUS} \\ \text{Benzamide}, & \text{N-}\{2\text{-}\{4\text{-}\{3,5\text{-}dichlorophenyl\}methyl\}\text{-}3,5\text{-}diethyl\text{-}1H-pyrazol\text{-}1-yl]ethyl\}\text{-}3\text{-}hydroxy-} & (9CI) & (CA & INDEX & NAME) \\ \end{array}$

390355-65-4 CAPLUS Acetamide, N-[2-[4-[3,5-dichlorophenyl]methyl]-3,5-diethyl-1H-pyrazol-1-ylethyl]-2-hydroxy- (9CI) (CA INDEX NAME)

$$\begin{array}{c} & & & \\ & & & \\ &$$

RN 390355-66-5 CAPLUS
CN 1,2,3-Thiadiazole-4-carboxamide,
N-[2-[4-{(d,S-dichlorophenyl)methyl}]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]- (9CI) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) 390355-69-8 CAPLUS Benzamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-fluoro- (9CI) (CA INDEX NAME)

390355-70-1 CAPLUS [Midddicarbonic acid, [4-{(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]methyl phenyl ester (9C1) (CA INDEX NAME)

RN 390355-71-2 CAPLUS
CN Benzamide,
N-[[[2-[4-[(3,5-dichloropheny1)methy1]-3,5-diethy1-1H-pyrazol-1yl]ethyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS

390355-72-3 CAPLUS
Urea, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N'-propyl- (9CI) (CA INDEX NAME)

RN 390355-73-4 CAPLUS
CN Benzamide,
N-{[[2-[4-[4],5-dichlorophenyl]methyl]-3,5-diethyl-1H-pyrazol-1yl]ethyl[amino]carbonyl]- (9CI) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS

RN 390355-74-5 CAPLUS
CN 5-Pyrimidinesulfonamide,
N-[2-[4-([3.5-dichlorophenyl]methyl]-3,5-diethyl14-pyrazol-1-yl]ethyl]-1,2,3,4-tetrahydro-2,4-dioxo- (9CI) (CA INDEX NAME)

390355-75-6 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4-[(3,5-dichlorophenyl)thio]-5-ethyl-, ethyl-eter (9CI) (CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-76-7 CAPLUS
1H-Pyrazole-3-acetonitrile, 4-[(3,5-dichlorophenyl)thio]-5-ethyl-1-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)

390355-78-9 CAPLUS

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) 1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)thio]-3,5-diethyl-(9CI)(CA INDEX NAME)

390355-84-7 CAPLUS
1H-Pyrazole-5-carboxylic acid, 4-[(3,5-dichlorophenyl)methyl]-1-(2-hydroxyethyl)-3-methyl-, ethyl ester (9CI) (CA INDEX NAME)

390356-22-6P, 4-(3,5-Dichlorobenzyl)-1-(2-hydroxyethyl)-5-methyl-1H-pyrazole-3-carboxylic acid 390356-29-3P, [1-[2-([tert-Butyldimethylsilyl)oxy]ethyl]-3,5-dichyl-1H-pyrazol-4-yl](3,5-dichlorophenyl)methanol 390356-30-6P, [1-[2-([tert-Butyldimethylsilyl)oxy]ethyl]-3,5-dichyl-1H-pyrazol-4-yl](3,5-dichlorophenyl)methanone 390356-31-7P, 1-[2-[(tert-Butyldimethylsilyl)oxy]ethyl]-3,5-dichyl-1H-pyrazol-4-yl](3,5-dichlorophenyl)methanone 390356-31-7P, 1-[2-[(tert-Butyldimethylsilyl)oxy]ethyl-3-byl-3-

Butyldimethylsilyl)oxy]ethyl]-4-[(3,5-dichlorophenyl)(methoxy)methyl]-3,5-dichyl-1H-pyrazole 390356-35-1P, Ethyl 1-[2-[(tert-

 $butyldimethylsilyl) oxy] ethyl] -4 - \{ (3,5-dichlorophenyl) sulfanyl \} -5-ethyl-1 H-pyrazole-3-carboxylate 390356-36-2P, [1-[2-\{(tert-variation of the context of the con$

Butyldimethylsilyl)oxy]ethyl]-4-{(3,5-dichlorophenyl)sulfanyl}-5-ethyl-1H-pyrazol-3-yl]methanol 390356-37-3P, [1-{2-{(tert-

Butyldimethylsilyl)oxy]ethyl}-4-[(3,5-dichlorophenyl)sulfanyl]-5-ethyl-1H-pyrazol-3-yl]acetonitrile 390356-45-3P, 1-[2-[(tert-

Butyldimethylsilyl)oxy]ethyl]-4-{(3,5-dibromophenyl)sulfanyl]-3,5-diethyl-

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
1H-pyraxole
RL: RCT (Reactant): SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(intermediate: prepn. of pyrazole derivs. as reverse transcriptase
inhibitors for the treatment of HIV infection and AIDS)
390356-22-6 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4-{(3,5-dichlorophenyl)methyl]-1-(2hydroxyethyl)-5-methyl- (9CI) (CA INDEX NAME)

сн₂-- сн₂-- он HO20

390356-29-3 CAPLUS
1H-Pyrazole-4-methanol, .alpha.-(3,5-dichlorophenyl)-1-[2-[[(1,1-dimethylethyl)dimethylsilyl]oxy]ethyl}-3,5-diethyl- (9CI) (CA INDEX

NAME)

390356-30-6 CAPLUS

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390356-31-7 CAPLUS
1H-Pyrazole, 4-[(3,5-dichlorophenyl)methoxymethyl]-1-[2-[[(1,1-dimethylethyl)dimethylsilyl]oxy]ethyl)-3,5-diethyl- (9CI) (CA INDEX

NAME)

390356-35-1 CAPLUS 1H-Pyrazole-3-carboxylic acid, 4-[(3,5-dichlorophenyl)thio]-1-[2-[[(1,1-dimethylethyl)dimethylsilyl]oxy]ethyl]-5-ethyl-, ethyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390356-36-2 CAPLUS
1H-Pyrazole-3-methanol, 4-{(3,5-dichlorophenyl)thio)-1-{2-{{(1,1-dimeth)ethyl)dimethylethyldimethylethyldimethylethyldimethylethyldimethylethyldimethylethyldimethylethyldimethylethyldimet

но- сн2

390356-37-3 CAPLUS
1H-Pyrazole-3-acetonitrile, 4-{{3,5-dichlorophenyl}thio}-1-{2-{{(1,1-dimethylethyl)dimethylsilyljoxy}ethyl}-5-ethyl- (9CI) (CA INDEX NAME)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390356-45-3 CAPLUS
1H-Pyrazole, 4-[(3,5-dibromophenyl)thio]-1-[2-[[(1,1-dimethylethyl)dimethylsilyl]oxy]ethyl]-3,5-diethyl- (9CI) (CA INDEX

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

L8 ANSWER 3 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:31482 CAPLUS
DOCUMENT NUMBER: 136:79802
TITLE: Modulators of cellular proliferation and methods for use and identification thereof Pillarisetti, Sivaram; Goldberg, Itzhak D. North Shore-Long Island Jewish Health System, USA PCT Int. Appl., 107 pp. CODEN: PIXXD2 Patent English angiogenesis, INVENTOR(S): PATENT ASSIGNEE(S): DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: KIND DATE

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2002002593 A2 20020110 WO 2001-US20849 20016239

W: AE, AC, AL, AM, AT, AV, AZ, BA, BB, BG, BR, BY, BE, AZ, CA, CM, CN, CO, CR, CU, CZ, DE, DX, DM, DZ, EE, ES, FT, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LX, LR, LS, LT, LU, LV, MM, MD, MG, MK, MM, MM, MX, MZ, MO, NZ, PL, PT, RO, RU, SD, SE, GS, S1, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM

RN: GH, GM, KE, LS, MM, MZ, SD, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FT, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CT, CM, GA, GM, GM, ML, MR, NE, NB, ND, TG

AU 200107854 A5 20020114 AU 2001-77854 20010629

PRIORITY APPLM: INFO: US 2000-606228 A2 20000629

OTHER SOURCE(S): MARPAT 136:79802

AB The invention is directed to small org. mols. and peptides having the ability to mimic or agonize hepatocyte growth factor/ scatter factor (NGF/SF) activity, or inhibit or antagonize HGP/SF activity, the former useful for promoting, for example, vascularization of tissues or organs for promoting wound or tissue healing, or augmenting or restoring blood flow to ischemic tissues such as the heart following myocardial infarction. Inhibition of cellular growth or proliferation is beneficial in the treatment, for example, of inflammatory diseases such as inflammatory joint and akin diseases, and dysproliferative diseases such as cancer.

IT 261369-353-367352-95-387352-95-6
387352-96-387352-96-387352-96-7
387352-97-6 387352-99-3 387352-96-7
387352-97-6 387352-99-3 387352-96-7
387352-97-6 387352-99-3 387352-96-7
387352-97-6 387352-98-9 387352-99-0
(Peptide and small-mol. modulators of cellular proliferation and angiogenesis)

RN 261349-35-3 CAPUS

CN 1R-Pyrazole, 4-((2-chloro-6-fluorophenyl)methyl)-3,5-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

ANSWER 3 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) 387352-94-5 CAPLUS | C

387352-95-6 CAPLUS 1H-Pyrazole, 4-[(2-chloro-6-fluorophenyl)methyl]-1,3,5-trimethyl- (9CI) (CA INDEX NAME)

387352-96-7 CAPLUS 1H-Pyrazole, 4-{(2-chloro-6-fluorophenyl)methyl}-3,5-dimethyl- (9CI) (CA INDEX NAME)

RN 387352-97-8 CAPLUS

L8 ANSWER 3 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

387352-92-3 CAPLUS
1H-Pyrazole, 4-[(2,6-dichlorophenyl)methyl]-1-[[3-(2,6-dichlorophenyl)-5-methyl-4-isoxazolyl)carbonyl)-3.5-dimethyl- (9Cl) (CA INDEX NAME)

387352-93-4 CAPLUS
1H-Pyrazole, 4-[(2-chloro-6-fluorophenyl)methyl]-1-[(3-(2,6-dichlorophenyl)-5-methyl-4-isoxazolyl]carbonyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

L8 ANSWER 3 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
CN 1H-Pyrazole-1-propanenttrile,
4-{(2,6-dichlorophenyl)methyl}-3,5-dimethyl(9C1) (CA INDEX NAME)

387352-98-9 CAPLUS 1H-Pyrazole, 4-[(2-chloro-6-fluorophenyl)methyl]-1-(2,6-dichlorobenzoyl)-3,5-dimethyl-(5C) (CA INDEX NAME)

387352-99-0 CAPLUS
1H-Pyrazole, 4- ([2-chloro-6-fluorophenyl)methyl]-1-(2,2-dimethyl-1-oxopropyl)-3,5-dimethyl- (9CI) (CA INDEX NAME)

L8 ANSWER 3 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

387j53-00-6 CAPLUS
1H-Pyrazole, 1-(4-chlorobenzoyl)-4-[(2-chloro-6-fluorophenyl)methyl]-3,5-dimethyl-(951) (CA INDEX NAME)

387353-01-7 CAPLUS 1H-Pyrazole, 4- ([2-chloro-6-fluorophenyl)methyl]-3,5-dimethyl-1-(2-thienylearbonyl)- (9CI) (CA INDEX NAME)

L8 ANSWER 4 OF 32 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2001:851126 CAPLUS DOCUMENT NUMBER: 135:371760 TITLE: Preparation of pyracoly

135:371760
135:371760
Preparation of pyrazolylpyrimidines and analogs as TNF-.alpha. signaling modulators
Sneddon, Scott F.; Kane. John L.; Hirth, Bradford H.; Vinick, Fred; Qiao, Shuang; Nahill, Sharon R.
Genzyme Corporation, USA
PCT Int. Appl., 108 pp.
CODEN: PIXXD2
Patent
English
1 INVENTOR(S):

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE:

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PA'	TENT :	NO.		KI	ND	DATE			A	PPLI	CATI	N NC	ο.	DATE			
									-								
WO	2001	0878	49	A	2	2001	1122		W	0 20	01-ປະ	5150	27	2001	0510		
WO	WO 2001087849			A.3		20020606											
	W:	AE,	AG,	AL.	AM,	AT,	ΑU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
		co,	CR,	CU,	CZ,	DE,	DK,	DM,	·DZ,	EÇ,	EE;	ES,	FI,	GB,	GD,	GE,	GH,
		GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,
		LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PL,	PT,
		RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,
		UZ,	VN,	YU,	ZA,	ZW,	AM,	AZ,	BY,	KG,	KZ,	MD,	RU,	TJ,	TM		•
	RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	T2,	UG,	ZW,	AT,	BE,	CH,	CY,
		DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	ŞΕ,	TR,	BF,
		ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG		
US 2002119988 A1 20020829 US 2001-852965 20010510																	
PRIORITY APPLN. INFO.: US 2000-203784P P 20000512																	
									US 2	000-	2052	13P	P	2000	0518		
OTHER SO	URCE	(S):			MAR	PAT	135:	3717	60								

Title compds. [1; R1 = H or NH2; R2 = 223(CH2)nR; R = (un)substituted Ph or -heterocyclyl; R4 = (alkyl-substituted) 2-pyridinyl or -pyrazinyl; Z = (un)substituted pyrazole-1,4-diyl; Z1,Z2 = N or CH; Z3 = 0, CH2, S, SO2;

n = 0-2] were prepd. Thus, 4-(Me2HC)CSH4OH was condensed with (MeCO)2CHN2 and the product cyclocondensed with 4-(2-pyridiny1)-2-pyrimidinylhydrazine to give title compd. II. Data for biol. activity of I were given. IT 374080-88-1P 374080-91-2P 374080-88-3P 374080-93-4P 374080-93-4P 374080-93-4P 374080-93-4P

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L8 ANSWER 4 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) 374080-93-09 374081-16-0P 374081-17-1P 374081-18-2P RI: BAC (Biological activity or effector, except adverse); BSU (Biological)
            logical
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
BloL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyraxolylpyrimidines and analogs as TNF-.alpha. signaling
modulators)
374080-86-1 CAPLUS
RN 374080-86-1 CAPLUS
CN Pyrimidine,
2-(4-(2-chlorophenyl)thio]-3,5-dimethyl-1H-pyrazol-1-yl]-4-(2-
pyridinyl)- (9CI) (CA INDEX NAME)
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RN 374080-87-2 CAPLUS CN Pyrimidine, 2-[4-{(3-chlorophenyl)thio}-3,5-dimethyl-1H-pyrazol-1-yl}-4-(2-pyridinyl)-(9C1) (CA INDEX NAME)

RN 374080-88-3 CAPLUS CN Pyrimidine, 2-[4-[(4-chlorophenyl)thio]-3,5-dimethyl-1H-pyrszol-1-yl]-4-(2-pyridinyl)-[9CI) (CA INDEX NAME)

L8 ANSWER 4 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 374080-89-4 CAPLUS CN Pyrimidine. 2-[4-[4-fluorophenyl]thio]-3,5-dimethyl-1H-pyrazol-1-yl]-4-[2-pyridinyl]- (9CI) (CA INDEX NAME)

RN 374080-91-8 CAPLUS CN Pyrimidine, 2-[4-[(3,4-dichlorophenyl)thio]-3,5-dimethyl-1H-pyrazol-1-yl}-4-(2-pyridinyl)- (9CI) (CA INDEX NAME)

L8 ANSWER 4 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 374081-16-0 CAPLUS
CN 1,3,5-Triazin-2-amine,
4-[4-[(4-chlorophenyl)thio]-3,5-dimethyl-1H-pyrazol1-yl]-6-(2-pyridinyl)- (9CI) (CA INDEX NAME)

374081-17-1 CAPLUS
1,3,5-Triazin-2-amine, 4-[4-[(4-chlorophenyl)sulfonyl]-3,5-dimethyl-1H-pyrazol-1-yl]-6-(2-pyridinyl)- (9CI) (CA INDEX NAME)

L8 ANSWER 4 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 374080-92-9 CAPLUS CN Pyrimidine, 2-[4-[(4-chlorophenyl)thio]-3,5-dimethyl-1H-pyrazol-1-yl]-4-(4-methyl-2-pyridinyl)- (9CI) (CA INDEX NAME)

RN 374080-93-0 CAPLUS CN Pyrimidine, 2-[4-[(4-chlorophenyl)thio]-3,5-dimethyl-1H-pyrazol-1-yl]-4-(5-methyl-2-pyridinyl)- (9CI) (CA INDEX NAME)

LB ANSWER 4 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 374081-18-2 CAPLUS CN 1,3,5-Triazine, 2-(4-(4-c-holcophenyl)thio]-3,5-dimethyl-1H-pyrazol-1-yl]-4-(2-pyridinyl)- (9CI) (CA INDEX NAME)

L8 ANSWER 5 OF 32 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1999:631412 CAPLUS DOCUMENT NUMBER: 131:43266 Preparation

131:243266
Preparation of pyrazolyloximinoacetates and related compounds as agrochemical and industrial fungicides. Hirohara, Yoji; Sugano, Shigeyoshi; Nakashima,

INVENTOR(S): Hideki;

Kimura, Takuo; Sakakibara, Takashi SDS Biotech K.K., Japan Eur. Pat. Appl., 70 pp. CODEN: EPXXDW Patent

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: CL LANGUAGE: EF FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION: English

PATENT NO. KIND DATE APPLICATION NO. DATE

EP 945437 A1 19990929 EP 1998-105673 19980327

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC. PT, IE, SI, LT, LV, PI, RO

PRIORITY APPLN. 1NFO: EP 1998-105673 19980327

OTHER SOURCE(S): MARPAT 131:243266

GI

Title compds. [I; X = CO2R1, CONHR1, CON(R1)2, cyano, 5-6 membered heteroary1; Y = CH, N; W = alkylene, NR1, O; n = 0, 1; R = alkyl. haloalkyl; A, B, D = H, halo, R1, R10, R1S, R1SO, R1SO2, (R1)2N, R102C, R10R2, R10N:CH. cyano, NO2, alkenyl, alkynyl, cycloalkyl, (aubatituted) Ph, PbcH2, PhO, PbcH2O, PhOR2, PhS, PbcH2S, PbSR2, PbcH2ON:CH, naphthyl, heteroaryl; R1 = alkyl, haloalkyl; R2 = alkylene; provided that A, B, D AB

heteroaryl; R1 = aixyl, haloaixy; R2 = aixylene; provided that X, S, B do not all = H and >2 of A, B, D do not = aryl or heteroaryl], were prepd. Thus, Me
2-(3-methyl-5-(4-chlorophenyl)pyrazol-1-yl]-2-hydroxyiminoacetate (prepn. given) was stirred with Me2504 and K2CO3 in DNP to give 82% Me
2-(3-methyl-5-(4-chlorophenyl)pyrazol-1-yl]-2-methoxyiminoacetate. The latter at 500 ppm gave 100% prevention of Pseudoperonospora cubensis on cucumbers.

IT 244270-37-9P 244270-38-0P 244270-43-7P
244270-40-8P 244270-41-5P 244270-43-7P
244270-44-8P 244270-45-9P 244270-45-0P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SNN (Synthetic preparation); BIOL (Biological atudy); PREP (Preparation); USES (Uses)

ANSWER 5 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

сн-- оме

244270-40-4 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(4-chlorophenyl)thio]--alpha.(methoxymethylene)-3,5-dimethyl-, methyl ester (9CI) (CA INDEX NAME)

244270-41-5 CAPLUS
1H-Pyrazole-1-acetamide, 4-[(4-chlorophenyl)thio]-.alpha.(methoxymethylene)-N,3,5-trimethyl- (9CI) (CA INDEX NAME)

L8 ANSWER 5 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
(prepn. of pyrazolyloximinoacetates and related compds. as agrochem.
and industrial fungicides)
RN 244270-37-9 CAPLUS
RN 1H-Pyrazole-1-acetamide, 4-[(2-chlorophenyl)thio]-.alpha.(methoxymethylene)-N,3,5-trimethyl- (9CI) (CA INDEX NAME)

244270-38-0 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(2-chlorophenyl)thio]-.alpha.(methoxymethylene)-3,5-dimethyl-, methyl ester (9CI) (CA INDEX NAME)

244270-39-1 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(3-chlorophenyl)thio]-.alpha.(methoxymethylene)-3,5-dimethyl-, methyl ester (9CI) (CA INDEX NAME)

ANSWER 5 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

сн- оме

244270-43-7 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(2,5-dichlorophenyl)thio]-.alpha.(methoxymethylene)-3,5-dimethyl-, methyl ester (SCI) (CA INDEX NAME)

244270-44-8 CAPLUS
1H-Pyrazole-1-acctamide, 4-[(2,5-dichlorophenyl)thio]-.alpha.(methoxymethylene)-N,3,5-trimethyl- (9CI) (CA INDEX NAME)

L8 ANSWER 5 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

244270-45-9 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[[2-chloro-5-(trifluoromethyl)phenyl]thio]-.alpha.-(methoxymethylene)-3,5-dimethyl-, methyl ester (9CI) (CA INDEX NAME)

244270-46-0 CAPLUS
1H-Pyrazole-1-acetamide, 4-[[2-chloro-5-(trifluoromethyl)phenyl]thio].alpha.-(methoxymethylene)-N,3,5-trimethyl- [9CI) (CA INDEX NAME)

L8 ANSWER 5 OF 32 CAPLUS COPYRIGHT 2003 ACS

THERE ARE 13 CITED REFERENCES AVAILABLE FOR REFERENCE COUNT: 13 RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

ANSWER 6 OF 32 CAPLUS COPYRIGHT 2003 ACS SSION NUMBER: 1999:522599 CAPLUS MENT NUMBER: 131:271837 ACCESSION NUMBER: DOCUMENT NUMBER: TITLE: 131.271837

Reactions of 1,3,5-trisubstituted pyrazoles with arenesulfenyl chlorides
Shermolovich, Yu. G.; Tolmachev, A. A.; Emets, S. B.; Timoshenko, V. M.; Kolesnik, N. P.
Inst. Org. Chem., Ukr. Akad. Sci., Kiev, Ukraine Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1999), 35(2), 281-285
CODEN: RJOCEQ: 15SN: 1070-4280
MAIK Nauka/Interperiodica Publishing Journal AUTHOR (S): CORPORATE SOURCE: PUBLISHER: DOCUMENT TYPE: LANGUAGE: UAGE: English
3-Methyl(or amino)-1-phenyl-5-pyrazolones and 3-methyl-5-methyl(or methoxy
or amino)-1-phenylpyrazoles react with arenesulfenyl chlorides to yield
only 4-(arylthio)-5-hydroxy-1phenylpyrazoles with o-nitrophenylsulfenyl chloride gives exclusively
4,4-bis(arylthio)-5-pyrazolones. 4-(Arylthio)-5-hydroxy-3-methyl-1phenylpyrazoles are also converted to 4,4-bis(arylthio)-5-pyrazolones. A
p-fluorobenzoyl deriv. is also prepd.

IT 245725-87-59 245725-87-59
RL: SPN (Synthetic preparation); PREP (Preparation)
(reactions of 1,3,5-trisubstituted pyrazoles with arenesulfenyl chlorides)
245725-87-5 CAPLUS
H.-Pyrazole, 4-{(4-chlorophenyl)thio}-3,5-dimethyl-1-phenyl- (9CI) (CA INDEX NAME) 245725-87-5P

17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR REFERENCE COUNT: RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE 19970304

Preparation of azolobenzazepines as neurologically

Preparation of acceptance active agents
Brush, Kelly Anne; Chapdelaine, Marc Jerome; Frazee,
William Jackson; Garcia-Davenport, Laura Enid; Lewis,

William Jackson; Garcia-Davenport, Laura Enid; Lewis, Joseph James
Zeneca Ltd., UK; Brush, Kelly Anne; Chapdelaine, Marc Jerome; Frazee, William Jackson; Garcia-Davenport, Laura Enid; Lewis, Joseph James
PCT Int. Appl.. 80 pp.
CODEN: PIXXD2
Patent

JP 1997-531562 19970304
ZA 1997-1964 19970306
US 1998-142221 19980903
NO 1998-4106 19980907
US 2000-668261 20000922
US 1996-13528P P 19960308
WO 1997-08592 W 19970304
US 1998-142221 A3 19980903 OTHER SOURCE(S): MARPAT 127:278193

L8 ANSWER 7 OF 32 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1997:618103 CAPLUS DOCUMENT NUMBER: 127:278193

DOCUMENT NUMBER:

PATENT ASSIGNEE(S):

DOCUMENT TYPE:

INVENTOR(S):

TITLE:

SOURCE:

L8 ANSWER 7 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

The title compds. [I; X = O, S; R1-R4 = H, perfluoro-lower-alkyl, halo, NO2, CN; C together with the carbon atoms to which it is attached forms a 5-membered arom. heterocycle], useful for the treatment of neurol. disorders such as atroke, were prepd. and formulated. Thus, reaction of

196864-35-4 CAPLUS 1H-Pyrazole-3,5-dicarboxylic acid, 4-(4-chloro-2-nitrobenzoyl)-, diethyl eater (9C1) (CA INDEX NAME)

L8 ANSWER 7 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

196864-45-6 CAPLUS 1H-Pyrazole-3-carboxylic acid, 4-(2-amino-4-chlorobenzoyl)-5-benzoyl-, ethyl eater (9CI) (CA INDEX NAME)

RN 196864-46-7 CAPLUS
CN 1H-Pyrazole-3-carboxylic acid,
4-[(4-chloro-2-nitrophenyl)hydroxymethyl]-5(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 7 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

196864-36-5 CAPLUS 1H-Pyrazole-3,5-dicarboxylic acid, 4-(2-amino-4-chlorobenzoyl)-, diethyl ester (9CI) (CA INDEX NAME)

196864-44-5 CAPLUS 1H-Pyrazole-3-carboxylic acid, 3-benzoyl-5-(4-chloro-2-nitrobenzoyl)-, ethyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 7 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
RN 196864-47-8 CAPLUS
CN 1H-Pyracole-3-carboxylic acid, 4-(4-chloro-2-nitrobenzoyl)-5(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

196864-50-3 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4-(2-amino-4-chlorobenzoyl)-5-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

La ANSWER 8 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:348157 CAPLUS
DOCUMENT NUMBER: 125:142618
ATTITLE: 125:142618
AUTHOR(S): Cyrener. Joerg: Lauterbach, Christa; Burger, Klaus
Cyrener. Joerg: Lauterbach, Christa; Burger, Klaus
Department of Organic Chemistry, University of
Leipzig, Taletr. 35, 03410, Leipzig, Germany
PUBLISHER: CODEN: JFLCAR; ISSN: 0022-1139
Elsevier
JOURNEL

LONG TOP TYPE: JOURNEL

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S):

Journal English CASREACT 125:142618

AB Et 4-aroyl-5-trifluoromethylpyrazole 3-carboxylates I (R = Ph, 4-BrC6H4, 4-ClC6H4, 2-naphthyl) have been synthemized from readily available 4,4-bim(trifluoromethyl)-1-oxabuta-1,3-dienes (vinyl ketone) and Et diazoacetate and mubequent thermally induced elimination of trifluoromethane in good yield.

IT 179612-96-5P 179612-97-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(two-step preph. of Et 4-aroyl-5-trifluoromethylpyrazole
3-carboxylates
via Et diazoacetate and vinyl ketones)
RN 179612-96-5 CAPLUS
CN 1H-Pyrazole-3-carboxylic acid, 4-(4-bromobenzoyl)-5-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

RN 179612-97-6 CAPLUS

L8 ANSMER 9 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:340802 CAPLUS
DOCUMENT NUMBER: 122:99346
INITIAL: Synergic herbicides containing pyrazole and

Synergic herbicides contain;

derivatives

Ikeds, Osamu; Minami, Noriko

PATENT ASSIGNEE(S): Mitsubishi Chem Ind, Japan

SOURCE: Mitsubishi Chem Ind, Japan

Jpn. Kokai Tokkyo Koho, 5 pp.

COUMENT TYPE: JAXXAF

DOCUMENT TYPE: JApanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 06298612 A2 19941025 JP 1993-88643 19930415

PRIORITY APPLM. INFO.: JP 1993-88643 19930415

AB A synergistic herbicide esp. effective in rice paddies contains
2.[2.(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindan-3-dione with .gtoreq.
1 compd. selected from the group comprising 4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-ylp-rboluenesulfonate, 4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-(3-ethylphenzoyl)-2,3-dimethyl-5-(4-ethylphenzoyloxy))yrazole.

IT 160780-74-5 160780-76-7

Ri. NGR (Agricultural use); BAC (Biological activity or effector, except

lsv/8u-/4-> 160780-76-7
RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); BIOL (Biological study);
USES (Uses)

USES (Uses) (synergic herbicides contg. pyrazole and indandione derivs.) 160780-74-5 (APLUS 1H-Indene-1,3(2H)-dione, 2-[[2-(3-chlorophenyl)oxiranyl]methyl]-2-ethyl-mixt. with 2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-1-phenylethanone (9CI) (CA INDEX NAME)

CM 1

CRN 133220-30-1 CMF C20 H17 C1 O3

CRN 81860-84-6 CMF C20 H16 C12 N2 O2

ANSWER 8 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) 1H-Pyrazole-3-carboxylic acid, 4-(4-chlorobenzoyl)-5-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 9 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

160780-76-7 CAPLUS

IN-Indene-1,3(2H)-dione, 2-{{2-(3-chlorophenyl)oxiranyl}methyl}-2-ethyl-,
mixt. with 2-(4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-1H-pyrazol-5yl]-1-(4-methylphenyl)ethanone (9CI) (CA INDEX NAME)

CM 1

CRN 160780-75-6 CMF C22 H20 C12 N2 O2

CRN 133220-30-1 CMF C20 H17 C1 O3.

1.6 ANSWER 9 OF 32 CAPILIS COPYRIGHT 2003 ACS (Continued)

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE EP 578090 EP 578090 EP 578090 A2 A3 B1 19940112 EP 1993-110272 19930628 19940427 19961227 EP 578090 AJ 1994027

R: BE, CH, DE, ES, FR, GB, IT, LI, NL
JP 06199818 A2 19940719 JP 1992-312607

AU 9341561 A1 19940113 AU 1993-41561

AU 661162 B2 19550713

ES 2095524 T3 19970216 ES 1993-110272

US 5147010 A 19940913 US 1993-86606

CA 2099930 AA 19940910 CA 1993-2099936

CH 065462 A2 19940528 HU 1993-1977

CN 1081809 A 19940528 HU 1993-1977

CN 1081809 A 19940528

CN 1034573 B 19970416

US 5466660 A 19951114 US 1994-230949

CN 1144220 A 19950305 CN 1996-108280

PRIORITY APPLN: INFO::

FRIORITY APPLN: INFO:: 19921029 19930628 ES 1993-110272 19930628 US 1993-86606 CA 1993-2099930 HU 1993-1977 CN 1993-108424 19930701 19930706 . 19951114 US 1994-230949 19970305 CN 1996-108280 JP 1992-204271 JP 1992-312607 US 1993-86606 MARPAT 121:57514 19930709 19940421 19960629 19920709 19921029 OTHER SOURCE(S):

L8 ANSWER 10 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:457514 CAPLUS
DOCUMENT NUMBER: 121:57514
TITLE: Preparation of tetrazolinones as herbicides for use

Narabu, Shinichi; Yanagi, Akihiko Nihon Bayer Agrochem K.K., Japan Eur. Pat. Appl., 17 pp. CODEN: EPXXDW Patent English

a rice paddy Goto, Toshio; Hayakawa, Hidenori; Watanabe,

The title compds. I [X = Cl, Br; Y = H, Cl, Br, etc.; Rl, R2 = alkyl] are prepd. A mixt. of tetracolinone II, potassium carbonate, and and diethylcarbamopl chloride in actionitrile was refluxed for S h to give,

ANSWER 10 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) after workup, I [X = Cl; Y = H; Rl = R2 = Et] (III). III at 0.15 g/ha gave 100% control of Cyperus.
154666-02-5 154666-03-6
RL: RCT (Reactant); RACT (Reactant or reagent) (herbicidal compn. contg.)
154646-02-5 CAPLUS
Ethanone, 2-[4-(2,6-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-1-phenyl- (9CI) (CA INDEX NAME)

154464-03-6 CAPLUS Ethanone, 2-[4-(2,6-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-1-(4-methylphenyl)- (9C1) (CA INDEX NAME)

ACCESSION NUMBER:

ANSWER 11 OF 32 CAPLUS COPYRIGHT 2003 ACS
SSION NUMBER: 1994:292136 CAPLUS

120:292136
E: Pyrazoles agricultural and horticultural bactericides
NAKajima, Yasuyuki; Watanabe, Junichi; Sugyama, Yasuhisa; Hirohara; Yoji; Mita, Takeshi; Suzuki, Hideo; Furusato, Takashi; Ooya, Hiroshi; Nakayama, Masahito; Et, Al.
NIT ASSIGNEE(S): Nissan Chemical Ind Ltd, Japan
Jpn. Kokai Tokkyo Koho, 23 pp.
CODEN: JKXXAF

MENT TYPE: Patent
UMGE: Japanese INVENTOR(S):

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: Japanese

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

JP 06065227 A2 19940308
PRICRITY APPLN. INFO:
OTHER SOURCE(S): MAPPA** APPLICATION NO. DATE JP 1993-98060 19930423 JP 1992-115000 MARPAT 120:292136

INVENTOR(S): Yukiyoshi; PATENT ASSIGNEE(S): DOCUMENT TYPE:

Pyrazoles [I, RI = halo, slkyl, etc.; R2 = slkyl or haloslkyl; X = NR3, CO, CR4R\$; R3 = H, slkyl, etc., and R4 and R5 = H, halo, etc.; Y = O, S, etc.; A = (un)substituted phenyl; B = (un)substituted polycyclic ring group) are prepd. as agricultural and horticultural baccaricides. Prepn. of 8 pyrazoles and the use of the I for control of crop disease caused by Botrytis cinerae were shown.

144035-52-297 144035-53-09 144059-54-1P

144035-52-29 144035-63-29 144059-60-39

145931-53-29 144035-53-67 144035-60-39

155931-94-99 154933-19-19 155933-10-18

15931-94-99 154933-19-19 155933-10-18

144055-52-9 CAPUUS

2-Pyridinemethanol, alpha.-[4-[(4-chlorophenyl)thio]-1,3-dimethyl-1H
Dyrazol-5-yl]- (9CI) (CA INDEX NAME)

L8 ANSWER 11 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 144059-53-0 CAPLUS CN 2-Pyridinemethanol, .alpha.-[4-[(2,4-dichlorophenyl)thio]-1,3-dimethyl-1Hpyrazol-5-yl]- (9CI) (CA INDEX NAME)

RN 144059-54-1 CAPLUS
CN 2-Pyridinemethanol, .alpha.-[4-[(3-fluoro-4-methylphenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]- (9CI) (CA INDEX NAME)

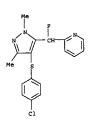
LB ANSWER 11 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 144059-55-2 CAPLUS
CN Pyridine, 2-[[4-[(4-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]methoxymethyl]- (9CI) (CA INDEX NAME)

RN 144059-56-3 CAPLUS
CN 2-Pyridinemethanol, .alpha.-[4-[(4-chlorophenyl)thio]-1,3-dimethyl-1Hpyrazol-5-yl]-, acetate (ester) (9CI) (CA INDEX NAME)

L8 ANSWER 11 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 144059-57-4 CAPLUS
CN Pyridine, 2-[[4-[(4-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]fluoromethyl]- (9CI) (CA INDEX NAME)



RN 144059-58-5 CAPLUS
CN Methanone, [4-[(4-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]-2pyridinyl- (9Cl) (CA INDEX NAME)

L8 ANSWER 11 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 144059-59-6 CAPLUS

2-Pyridinemethanol, .alpha.-[4-[(4-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]-.alpha.-methyl- (9CI) (CA INDEX NAME)

RN 144059-60-9 CAPLUS
CN 2-Pyridinemethanol, .alpha.-[4-[(4-chlorophenyl)thio]-1,3-dimethyl-1Hpyrazol-5-yl]-.alpha.-(1-methylethyl)- (9C1) (CA INDEX NAME)

L8 ANSWER 11 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154931-94-9 CAPLUS Pyridine, 2-[(4-f(4-chlorophenyl))thio]-1,3-dimethyl-1H-pyrazol-5-yl]methyl]- (9CI) (CA INDEX NAME)

154932-19-1 CAPLUS
Pyridine, 2-[(4-(2,4-dichlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5yl]methyl]- (9CI) (CA INDEX NAME)

L8 ANSWER 11 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154932-20-4 CAPLUS
Pyridine, 2-[1-[4-[(4-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]ethyl)- (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1294:270383 CAPLUS
DCCUMENT NUMBER: 120:270383
TITLE: (Biphenylmethyl)pyrazole angiotensin II antagonists
INVENTOR(S): Ashton, Wallace T.; Chang, Linda L.; Greenlee,

PATENT ASSIGNEE(S): SOURCE:

J.; Hutchins, Steven M.
Merck and Co., Inc., USA
U.S., 30 pp.
CODEN: USXXAM
Patent
English DOCUMENT TYPE:

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE

US 5262412 A 19931116
PRIORITY APPLN. INFO.:
OTHER SOURCE(S): MARPAT 120 CT _____AFION NO. .. 19931116 US 1993-28845 US 1993-28845 MARPAT 120:270383

The title compds. [I; R1 = SO2NHCOR23, SO2NHCO2R24; R23 = aryl, heteroaryl, (un)branched (un)substituted C1-6 alkyl, C3-6 alkenyl, etc.; R24 = (un)branched (un)substituted C1-6 alkyl, C3-6 alkenyl, C3-6 alkyl, C3-6 alkenyl, C3-6 alkyl, C3-6 alkyl R24 = (un)Dranched (un)soundaries
alkynyl,
aryl, (un)substituted C3-7 cycloalkyl; R2, R3 = H, F, Cl, CF3, C1-4
alkyl;
R4 = H, F; R5 = H, F, Cl, CF3, C1-4 alkyl; R6 = C1-6 alkyl; R8 = H, F, C1

Br, iodo, OH, C1-4 alkoxy, (un)substituted NH2, CN, etc.; V1 = CH3, CF3, C1, iodo, F, OMe, NO2, CN; V2 = amine- or carbonyl- or S-based substituent

substituent
 at ring position 4 or 5], which are angiotensin II antagonists (no data),
 useful in the treatment of hypertension and related cardiovascular
 disorders (no data), are prepd. and 1-contg. formulations presented.
 Thus, Et 3-n-buty1-4-[[2-1]N-(2-chlorobenzoyl)sulfamoyl)bipheny1-4 yl]methyl]-1-[2-chloro-5-(valerylamino)phenyl]-1H-pyrazole-5-carboxylate
 was prepd. from Et 2,4-dioxoctanoate in 10 steps.

IT 154056-98-1 154057-09-7 154057-12-2

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
154057-24-6 154057-35-9 154057-36-0
154057-37-1 154057-38-2 154057-39-3
154057-40-6 154057-41-7 154057-42-8
154057-43-9 154057-44-0 154057-45-1
154057-46-2 154057-47-3 154057-48-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(angiotensin II antagonist)
154056-98-1 CAPLUS
Benzamide, N-[H'-[[4]-[1]-1-[2-chloro-5-[(1-cxopropyl)amino]phenyl]-5cyano-1H-pyrazo1-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2chloro- (9CI) (CA INDEX NAME)

154057-09-7 CAPLUS Benzamide, N-[{4'-{[3-butyl-1-[2-chloro-5-[(1-oxopentyl)amino]phenyl]-5-cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]aulfonyl]-2-chloro- (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 154057-12-2 CAPLUS
CN Benzamide,
N-butyl-3-[3-butyl-4-[[2'-[[(2-chlorobenzoyl)amino]sulfonyl]-3fluorof[1,1'-biphenyl]-4-yl|methyl]-5-cyano-1H-pyrazol-1-yl)-4(trifluoromethyl)- (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-24-6 CAPLUS Benzamide, N-[[4'-[[3-butyl-5-cyano-1-[5-[(methoxyacetyl)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl}methyl]-3'-fluoro[1,1'-biphenyl]2-yl]sulfonyl]-2-chloro- (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 154057-35-9 CAPLUS CN Benzamide, N-[[4'-[[3-butyl-5-cyano-1-[5-[(1-oxopropyl)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]2-yl]sulfonyl]-2-chloro- (9CI) (CA INDEX NAME)

RN 154057-36-0 CAPLUS

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
CN Benzamide, N-[[4'-[[3-butyl-5-cyano-1-[5-[(ethoxyacetyl)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]2-yl]sulfonyl}-2-chloro- (9CI) (CA INDEX NAME)

RN 154057-37-1 CAPLUS CN Benzamide, N-[[4'-[[3-buty1-5-cyano-1-[5-[(methoxyacety1)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]2-yl]sulfonyl}-2-fluoro- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-43-9 CAPLUS
Benzamide, N-butyl-4-chloro-3-[5-cyano-4-[3-fluoro-2'-[[(2-fluorobenzyl]amino]ulfonyl][1,1'-biphenyl]-4-yl]methyl]-3-propyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-44-0 CAPLUS
Benzamide, N-butyl-3-[4-[[2'-[[(2-chlorobenzoyl)amino)sulfonyl]-3-fluoro[1,1'-biphenyl]-4-yl]methyl]-5-cyano-3-propyl-1H-pyrazol-1-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-45-1 CAPLUS
Benzamide, N-butyl-3-{5-cyano-4-[{3-fluoro-2'-{{(2-fluorobenzoyl)aminol gulfonyl} (1,1'-biphenyl)-4-yl]methyl}-3-propyl-1H-pyrazol-1-yl}-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-47-3 CAPLUS Carbamic acid, [[4'-[[1-{5-(acetylamino)-2-chlorophenyl]-3-butyl-5-cyano-

IH-pyrazol-4-yl]methyl]-3'-fluoro-5-propyl[1,1'-biphenyl]-2-yl]sulfonyl]-,
ethyl ester (901) (CA INDEX NAME)

154057-48-4 CAPLUS
Benzamide, N-{[4'-[3-buty1-5-cyano-1-{5-{[methoxyacety1) amino}-2-(trifluoromethyl) phenyl]-1H-pyrazo1-4-yl]methyl]-3,3'-difluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-fluoro- (9CI) (CA INDEX NAME)

ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-09-7 CAPLUS
Benzamide, N-[{i'-[{3-butyl-1-(2-chloro-5-{{1-oxopentyl}amino}phenyl}-5-cyano-1H-pyrazol-4-yl]methyl}-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-chloro- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 154057-10-0 CAPLUS
CN Carbamic acid,
[[4'-[[3-buty]-1-[2-chloro-5-[(1-oxopropyl)amino]phenyl]-5cyano-H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl}-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 154057-11-1 CAPLUS
CN Carbamic acid,
[[4'-[[3-butyl-1-[2-chloro-5-[{1-oxopropyl}amino]phenyl]-5-

ANSHER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-, butyl ester (9CI) (CA INDEX NAME)

RN 154057-12-2 CAPLUS
CN Benzamide,
N-butyl-3-[3-butyl-4-[[2'-{[(2-chlorobenzoyl)amino]sulfonyl]-3-fluorof[1,1'-biphenyl]-4-yl]methyl]-5-cyano-1H-pyrazol-1-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Kamal Saeed

ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-24-6 CAPLUS Benzamide, N-{[4'-{[3-butyl-5-cyano-1-[5-{(methoxyacetyl)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro{1,1'-biphenyl}2-yl]sulfonyl]-2-chloro- (9CI) (CA INDEX NAME)

154057-30-4 CAPLUS Acetamide, N-[3-(3-buty1-5-cyano-4-[[3-fluoro-2'-[[(2-fluoropheny1)amino]sulfony1]-5'-propyl[(,1'-bipheny1]-4-y1]methyl]-1H-pyrazol-1-y1]-4-chlorophenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
RN 154057-01-9 CAPLUS
CN 1H-Pyracole-5-carboxylic acid,
4-{(4-bromo-2-fluorophenyl)methyl}-3-butyl1-(2-chloro-5-nitrophenyl)- (9CI) (CA INDEX NAME)

154057-02-0 CAPLUS 1H-Pyrazole-5-carbonyl chloride, 4-[(4-bromo-2-fluorophenyl)methyl]-3-butyl-1-(2-chloro-5-nitrophenyl)- (9CI) (CA INDEX NAME)

RN 154057-03-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide,
4-[(4-brono-2-fluoropheny1)methy1]-3-buty1-1-(2-chloro-5-nitropheny1)- (9C1) (CA INDEX NAME)

ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

IT 154057-00-8 154057-01-9 154057-02-0
154057-03-1 154057-04-2 154057-05-3
154057-06-4 154057-07-5 154057-08-6
154057-22-4 154057-23-5 154057-28-6
154057-22-9 154057-23-8-0 154057-29-1
154057-32-6 154057-33-7 154057-34-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. as intermediate in prepn. of (biphenylmethyl)pyrazole
angiotensin II antagonists)
RN 154057-00-8 CAPLUS
CN 1H-Pyrazole-5-carboxylic acid,
4-[(4-bromo-2-fluorophenyl)methyl]-3-butyl1-(2-chloro-5-nitrophenyl)-, ethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-04-2 CAPLUS
1H-Pyrazole-5-carbonitrile, 4-{(4-bromo-2-fluorophenyl)methyl}-3-butyl-1-(2-chloro-5-nitrophenyl)- (9CI) (CA INDEX NAME)

154057-05-3 CAPLUS
1H-Pyrazole-5-carbonitrile, 1-(5-amino-2-chlorophenyl)-4-{(4-bromo-2-fluorophenyl)methyl}-3-butyl- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-06-4 CAPLUS Propananida, N-[3-[4-[(4-bromo-2-fluorophenyl)methyl]-3-butyl-5-cyano-1H-pyrazol-1-yl]-4-chlorophenyl]- (9CI) (CA INDEX NAME)

154057-07-5 CAPLUS
Propanamide, N-[3-[3-butyl-5-cyano-4-[{2'-[{(1,1-dimethyl-lenino]sulfonyl}-3-fluoro[1,1'-biphenyl]-4-yl]methyl]-1H-pyrazol-1-yl]-4-chlorophenyl]- (9CI) (CA INDEX NAME)

ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) 154057-22-4 CAPLUS Benzoic acid, 3-(4-[(2'-(aminosulfonyl)-3-fluoro[1,1'-biphenyl]-4-y||methyl|-3-butyl-5-cyano-1H-pyrazol-1-y||-4-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

RN 154057-23-5 CAPLUS
CN Benzamide,
3-{4-{[2*-(aminosulfonyl)-3-fluoro[1,1*-biphenyl]-4-yl]methyl]3-butyl-5-cyano-1H-pyrazol-1-yl]-N-butyl-4-(trifluoromethyl)- (9CI) (CA
INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-08-6 CAPLUS
Propanamide, N-[3-[4-[[2'-(aminosulfonyl)-3-fluoro[1,1'-biphenyl]-4-yl]methyl]-3-butyl-5-cyano-1H-pyrazol-1-yl]-4-chlorophenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS

154057-25-7 CAPLUS
[1,1'-Biphenyl]-2-sulfonamide, 4'-[[1-(2-bromo-5-nitrophenyl)-3-butyl-5-cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro-(9CI) (CA INDEX NAME)

154057-27-9 CAPLUS [1,1'-Biphenyl]-2-sulfonamide, 4'-[[3-butyl-5-cyano-1-[5-nitro-2-(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 154057-28-0 CAPLUS
CN Benzamide,
N-[(4'-[(3-butyl-5-cyano-1-[5-nitro-2-(trifluoromethyl)phenyl]1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-chloro(9CI) (CA INDEX NAME)

ANSHER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) 1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-chloro-(9CI) (CA INDEX NAME)

154057-32-6 CAPLUS
[1,1'-Biphenyl]-2-sulfonamide, 4'-[[3-butyl-1-(2-chloro-5-nitrophenyl)-5-cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro-5-propyl- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
RN 154057-33-7 CAPLUS
CN Benzamide,
N-{{4 · {[3-butyl-1-(2-chloro-5-nitrophenyl)-5-cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro-5-propyl{1,1'-biphenyl]-2-yl]sulfonyl}-2-fluoro-(9cl) (CA INDEX NAME)

RN 154057-34-8 CAPLUS
CN Benzamide,
N-[4'-[[1-(5-amino-2-chlorophenyl)-3-butyl-5-cyano-1H-pyrazol4-yl]methyl]-3'-fluoro-5-propyl[1,1'-biphenyl]-2-yl]sulfonyl]-2-fluoro(9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

L4 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:191713 CAPLUS
DOCUMENT NUMBER: 120:191713 Puranone intermediates in pharmaceutical pyrazole
preparation
INVENTOR(S): Material ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: CODEN: BAXXDU

DOCUMENT TYPE: Patent

DOCUMENT TYPE: Patent English LANGUAGE:

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

APPLICATION NO. DATE PATENT NO. KIND DATE GB 1993-7342 GB 2265900 PRIORITY APPLN. INFO.: A1 19931013 19930407 GB 1992-7591 19920407

ER SOURCE(S): MARPAT 120:191713

AB Title compds. I (R1 = H, C1-6 alkyl, C2-6 alkenyl; R2a = H, C1-6 alkyl, C3-7 cycloalkyl, C3-7 cycloalkyl-C1-4 alkyl, C3-6 alkenyl F-C1-6 alkyl, F-C3-6 alkenyl; X = H, halo, R4C6H4 wherein R4 = H2N, NC, protectant of C2H or NH2, optionally protected C-linked tetrazolyl) useful for prepn. of pharmaceuticels (no data), are prepd. 2-Hexane was added to 1-[1,1-(dimethylethyl)dimethylsilyl)oxyacetate (prepn. given) to give 1-[1,1-(dimethylethyl)dimethylsilyl)oxyacetate (prepn. given) to give 1-[1,1-(dimethylethyl)dimethylsilyl)oxyacetate (prepn. given) to give tetrazole to give the tetrazole deriv. which was treated with M84FF-to give the desilylated furanone deriv. which was treated with M84FF-to give the desilylated furanone deriv. which was treated with M84FF-to give the displayed furanone deriv. Which in turn was treated with M82CHNINHNI to give the title compd. II.

IT 153159-84-19

RL BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study): PREP (Preparation); USES (Uses) (prepn. of, as pharmaceutical)

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

ANSWER 10 OF 26 CAPLUS COPYRIGHT 2003 ACS
SSION NUMBER: 1990:459122 CAPLUS

MENT NUMBER: 113:59122
Synthesis of 5-{4-pyrazolyl and 4-isoxazolyl}-1,3dihydro-2H-1,4-benzodiazepin-2-ones
OR(S): Kurihara, Takushi; Sasaki, Jun; Santo, Kazunori;
Nakamura, Yutaka; Yoneda, Ryuji; Harusawa, Shinya
OSAKE Univ. Pharm. Sci., Matsubara, 580, Japan
Heterocycles (1999), 29(10), 2007-21
CODEN: HTCYAM; ISSN: 0385-5414

MENT TYPE: Journal AUTHOR(S):

CORPORATE SOURCE:

Journal English CASREACT 113:59122

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GI

STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Reactions of pyrazolylanthranil I (X = NMe, R = Cl) with PhZnCl in the presence of nickel acetylacetonate gave anilinobenzoylpyrazole II (R1 = Ph, R2 = H). Isoxazolylanthranil I (X = 0, R = Cl) under the same conditions gave a mixt. of II (R1 = Ph, R2 = H) and quinolone III. II (X = 0, NMe; R = Cl, R1 = Ph, R2 = H) were converted to II (R2 = COCHAN3), which were cyclized with PPh3 to benzodiazepinones IV (X = 0, NMe, R =

R1 = Ph) via an aza-hitting reaction. Treating azido deriv. II (X = NAc, R = R1 = H, R2 = COCH2N3) with PPh3 gave II (R2 = COCH2N-PPh3), which cyclized in refluxing toluene to give IV (X = NAc, R = C1, R1 = H). In contrast, the phosphinimine V (R3 = N:PPh3) prepd. from azide V (R3 = N3) failed to cyclize under the same conditions. Cl,

IТ 127889-75-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and condensation reaction of, with sodium azide) 127889-75-2 CAPUUS Acetamide, N-[4-chloro-2-[(1,3,5-trimethyl-lH-pyrazol-4-yl)carbonyl)phenyl]-2-iodo-N-phenyl- (9CI) (CA INDEX NAME)

127889-74-10 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

ANSWER 9 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
153359-84-3 CAPLUS
1H-Pyrazole-5-methanol, 3-butyl-4-[(4-iodophenyl)methyl]-1-methyl- (9CI)
(CA INDEX NAME)

ANSWER 10 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) (Reactant or reagent) (prepn. and condensation reaction of, with sodium iodide) 12789-74-1 CAPLUS Acetamide, 2-chloro-N-[4-chloro-2-[(1,3,5-trimethyl-1H-pyrazol-4-yl)carbonyl]phenyl)-N-phenyl- (9CI) (CA INDEX NAME)

IT 12789-76-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of, with triphenylphosphine, benzodiazepine deriv. from)
127889-76-3 CAPLUS
Acetamide, 2-axido-N-[4-chloro-2-[(1,3,5-trimethyl-1H-pyrazol-4-yl)carbonyl]phenyl]-N-phenyl- (SCI) (CA INDEX NAME)

ANSWER 10 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and N-acylation of, with chloroacetyl chloride) 127899-73-0 CAPLUS ΙŤ

Methanone, [5-chloro-2-(phenylamino)phenyl] (1,3,5-trimethyl-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)

ANSWER 11 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) 1H-Pyrazole-3-carboxylic acid, 4-(4-chlorobenzoyl)-5-(4-morpholinylcarbonyl)-, methyl ester (9CI) (CA INDEX NAME)

ANSWER 11 OF 26 CAPLUS COPYRIGHT 2003 ACS
SSION NUMBER: 1989;423322 CAPLUS
MENT NUMBER: 111:23322
E: Five-membered 2,3-dioxo heterocycles. VIII. of 1-aryl-4-aroyl-5-methoxycarbonyl-2,3-dihydro-2,3-pyrrolediones with secondary aliphatic amines Maslivets, A. N.; Smirnova, L. I.; Andreichikov, Yu. S. Perm. Gos. Parm. Inst., Perm, USSR Zhurnal Organicheskoi Khimii (1988), 24(10), 2205-12 CODEN: ZORKAE; ISSN: 0514-7492 Journal CORPORATE SOURCE: SOURCE : DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GI Russian CASREACT 111:23322 p-RC6H4CO

Interaction of 5-methoxycarbonyl-2,3-dihydropyrrole-2,3-diones I (R = AB MeO,

Me, H, Cl, Br, NO2, R1 = H; R = H, R1 = Me) with R22NH[R2 = PhCH2, Et,

R22N = morpholino, piperidino) led to (2)-3-pentenedioic acid derivs. II (same R's) and 5-methoxycarbonyl-3-hydroxy-2,5-dihydro-2-pyrrolones III (same R's). Factors influencing the yield ratio of II to III were studied. Acid hydrolysis of II and III gave 3,5-dihydroxy-2,5-dihydro-2-pyrrolones IV (same R's) while hydrazinolysis gave pyrazolecarboxamides V 1121275-82-9P

ΙT

Illi's 8-19 (Synthetic preparation); PREP (Preparation) (prepn. of, via hydrazinolysis of oxopentenedioic acid and dihydropyrrolone derivs.)
121275-82-9 CAPLUS

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ANSWER 12 OF 26 CAPLUS COPYRIGHT 2003 ACS SSION NUMBER: 1987:636702 CAPLUS
  ACCESSION NUMBER:
  DOCUMENT NUMBER:
TITLE:
                                                           107:236702
                                                           107:236702
Preparation of pyrrole- and pyrazolecarboxylates as
cardiotonics and calcium agonists
Baxter, Andrew John Gilby; Dixon, John; Ince,
  INVENTOR (S):
  Francis;
                                                          Springthorpe, Brian; Tinker, Alan Charles
Fisons PLC, UK
Eur. Pat. Appl., 76 pp.
CODEN: EPXXDW
Patent
English
 PATENT ASSIGNEE(S):
SOURCE:
 DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
             PATENT NO.
                                                   KIND DATE
                                                                                                    APPLICATION NO.
                                                                                                                                           DATE
PATENT NO. KIND DATE APPLICATION NO. 1

EP 230110 Al 19870729 EP 1986-309225
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL,
JP 62181251 A2 19870808 JP 1986-282187
GB 1985-29558
GB 1985-29553
GB 1985-29554
GB 1986-10218
GB 1986-10218
GB 1986-16096
GB 1986-16101
GB 1986-16102
GB 1986-16102
GB 1986-16103
                                                                                                                                           19861126
                                                                                                                                           19861128
19851130
                                                                                                                                            19851130
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19860425 19860702 19860702 19860702 19860702 19860702 GB 1986-16103 GB 1986-21942

GI

R3 = CO2Me, Y = Z = CMe) (2.78 g) in CH2Cl2 were added to AlCl3/CH2Cl2 at 0.degree. followed by 3.50 g 2-ClC6H4COCl and the mixt. attreed 17 h to give 3.75 g I (R1 = H, R3 = CO2Me, R4 = 2-ClC4H4CO, Y = Z = CMe).

111595-86-99 F11619-14-8P
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of, as cardiotonic and calcium agonist)
111595-86-9 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4-(2-chlorobenzoyl)-5-methyl-, methyl

Kamal Saeed

ANSWER 12 OF 26 CAPLUS COPYRIGHT 2003 ACS (9CI) (CA INDEX NAME) (Continued)

111619-14-8 CAPLUS
1H-Pyrazole-3,5-dicarboxylic acid, 4-(2-chlorobenzoyl)-, 1-ethyl 5-methyl ester (9C1) (CA INDEX NAME)

ANSWER 13 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
98239-42-0 CAPLUS
180Xa20le, 5-[2-(2,4-dichlorophenyl)-2-(3,5-dimethyl-1H-pyrazol-4-yl)ethyl)-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

98239-43-1 CAPLUS 180×8201e, 5-[2-(2,6-dichloropheny1)-2-(3,5-dimethyl-1H-pyrazol-4-yl)ethyl)-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

98239-46-4 CAPLUS Iaoxazole, 5-(2-(2-chlorophenyl)-2-(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yl)ethyl)-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

98239-47-5 CAPLUS
180X8Z0le, 5-[2-(2-bromophenyl)-2-(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yllethyl)-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

L4 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1985:523404 CAPLUS
DOCUMENT NUMBER: 103:123404
Chemistry of heterocycles: part VIII - synthesis of isoxacolylethylpyrazoles
AUTHOR(S): Reddi, K. Malla; Rao, C. Janakirama; Murthy, A. Krishna

Krishna
Dep. Chem., Kakatiya Univ., Warangal, 506 009, India
Indian Journal of Chemistry, Section B: Organic
Chemistry Including Medicinal Chemistry (1985),
248(2), 212-13
CODEN: IJSBDB; ISSN: 0376-4699 CORPORATE SOURCE: SOURCE:

Journal

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S):

English CASREACT 103:123404

AB The base-catalyzed addn. of acetylacetone to 3-methyl-4-nitro-5-styrylisoxazoles leads to the Michael adducts 3-[2-(3-methyl-4-nitro-5-isoxazolyl)-1-phenylethyl]pentane-2,4-diones. These .beta.-diketones undergo cyclization with hydrazine sulfate and phenylhydrazine to furnish pyrazoles I [R = (un)substituted Ph. Rl = H, Ph].

9239-36-29 9239-42-09 9239-43-19

9239-36-49 9239-42-09 9239-53-3P

PRL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 98239-36-2 CAPLUS

CN Isoxazole.
CN Isoxazole.
18 (CA INDEX NAME)

L4 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2003 ACS

98239-53-3 CAPLUS

RN 98239-53-3 CAPLUS
CN Isoxazole,
5-[2-(2,4-dichlorophenyl)-2-(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yl)ethyl)-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

98254-35-4 CAPLUS
ISOXAZOle, 5-[2-{2-bromophenyl}-2-(3,5-dimethyl-1H-pyrazol-4-yl)ethyl]-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

98735-01-4 CAPLUS

RN 98735-01-4 CAPLUS
CN Isoxazole,
5-{2-(2,6-dichlorophenyl)-2-(3,5-dimethyl-1-phenyl-1H-pyrazol-4yl)ethyl]-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

L4 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2003 ACS

L4 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1985:113486 CAPLUS
TITLE: 102:113486
PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan
SOURCE: Japan COODN: JKXXAF
DOCUMENT TYPE: COODN: JKXXAF
PATENT LARGUAGE: Japanese
PAMILY ACC. NUM. COUNT: 1 DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.

JP 59196869
JP 04020910
PRIORITY APPLN. INFO.:
OTHER SOURCE(S):
GI PATENT NO. A2 19841108 B4 19920407 APPLICATION NO. DATE JP 1983-71242 19830422 JP 1983-71242 CASREACT 102:113486 19830422

The title compds. I (R = OXNR2R3 where X = alkylene, R2 = H, alkyl, alkenyl, arylalkyl, R3 = alkyl, alkenyl, Ph; R1 = substituted phenyl), having herbicidal activity at _gtoreq.6.25 g/a, were prepd. by condensation of I (R = halo) with HOXNR2R3. Thus, heating a mixt. of 2

HOCH2CH2NHPh, 0.03 g Na, and 1.3 g I (R = Cl, Rl = 2,4-Cl2C6H3) at 100-110.degree. for 3 h under distn. of excess HOCH2CH2NHPh gave 0.92 g I (R = CH2CH2NHPh, Rl = C6H3Cl2-2,4).
95115-05-2P 95115-06-2P 95115-07-4P
RL: SFN (Synthetic preparation); PREP (Preparation) (prepn. of)
95115-05-2 CAPLUS
Methanone, (5-(2-bromoethyl)-1,3-dimethyl-1H-pyrazol-4-yl)(2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

ΙT

L4 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2003 ACS , (Continued)

95115-06-3 CAPLUS
Methanone, [5-(3-bromopropyl)-1,3-dimethyl-1H-pyrazol-4-yl](2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

95115-07-4 CAPLUS Methanone, [5-(4-bromobutyl)-1,3-dimethyl-1H-pyrazol-4-yl](2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

L4 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1982:522069 CAPLUS 717LE: 97:122069 Herbicide composition for 18hibara Sangyo Kaisha, Jpn. Kokai Tokkyo Koho, CODEN: JKXXAF

97:122069
Herbicide composition for rice
Ishihara Sangyo Kaisha, Ltd., Japan
Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
Patent
Japanese
l

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

J 57081401 A2 19820521 JP 1980-157843 19801110

PRIORITY APPLN. INFO.: JP 1980-157843 19801110

AB Compns. contg. S-1-ethylpropyl-N.N-hexanethyl-enethiolaerbamate (I)

[75013-55-7] and one or more of 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5phenacyloxypyrazole (II) [73561-11-0], 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5dichlorobenzoyl)-5-(4-methyl-phenacyloxy)pyrazole [71561-18-7],
1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-pivaloy/methylpyrazole [82934-46-1], and 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-pivaloy/methylpyrazole [71561-18-7],
1,3-dimethyl-4-(3,4-dichlorobenzoyl)-5-pivaloy/methylpyrazole [71561-18-7],
1,3-dimethyl-4-13, and 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-pivaloy/methylpyrazole [71561-18-7],
1,3-dimethyl-1,3-dimethyl-1-dipyrazole [71561-18-7],
1,3-dimethyl-1-dipyrazole [71561-18-7],
1,3-dipyrazole [71561-18-7],
1,3-d

ANSWER 16 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

ANSWER 16 OF 26 CAPLUS COPYRIGHT 2003 ACS
SSION NUMBER: 1982:419045 CAPLUS
MENT NUMBER: 97:19045
E: Phenylacetamides and pyrazole derivatives as

DOCUMENT NUMBER: TITLE:

herbicides Idemitsu Kosan Co., Ltd., Japan Jpn. Kokai Tokkyo Koho, 12 pp. CODEN: JKXXAF PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: Japanese

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE JP 57032206 JP 58012242 JP 57102806 19820220 19830307 19820626 A2 B4 A2 JP 1980-107662 19800807 JP 1981-176454 JP 1980-107662 19811105 19800807 PRIORITY APPLN. INFO.:

$$\begin{array}{c} X^{1} \\ \\ \end{array} \begin{array}{c} CHR^{1}CONR^{2}CR^{3}R^{4} \end{array} \begin{array}{c} X^{2}n \\ \\ \end{array}$$

A compn. contg. N-(.alpha.,.alpha.dialkylbenzyl)phenylacetamides I (X1 and X2 = halo, C1-3 alkyl, C1-3 alkoxy, or H; R1 = C1-3 alkoxy or H; R2 = C1-3 alkyl, C2-6 alkoxyalkyl, allyl, or H; R3 and R4 = C1-4 alkyl; n = 1-3) and pyrazole derivs. is a herbicide for rice. Thus, I (X1 = 2-C1 X2 +4-C1; n = 1; R1 and R2 = H; R3 and R4 = M6) (80487-99-6) and 4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yl-4-tolueneaulfonate [58011-68-0] (100 + 100 g/10 are) controlled Echinochloa crue-galli, Cyperus microiria, Scirpus hotarui, Eleocharis acicularia, Sagittaria pygmaea, and Cyperus serotinus in rice.

81860-84-6

RL: B10L (Biological study) (herbicides contg. acetamides and)

81860-84-6 CAPLUS

Ethanone, 2-(4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-1-phenyl- (9CI) (CA INDEX NAME)

L4 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1982:406294 CAPLUS
DOCUMENT NUMBER: 97:6294 CAPLUS
1,3-Dimethyl-4-(2,9-dichlorobenzoyl)-5-substituted
carbonylmethoxypyrezole
lishinare Sangyo Kaisha, Ltd., Japan
JOCUMENT TYPE: 15,0-DIMETRIC JAVANO
DOCUMENT TYPE: Patent INFORMATION: JAVANO
DATENT INFORMATION: 4

Japanese
1

Japanese

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

KIND DATE PATENT NO. KIND DATE APPLICATION NO. DATE

JP 57031666 A2 19820220 JP 1980-105947 19800801

PRIORITY APPLN. INFO: JP 1980-105947 19800801

AB The herbicidal (no data) title compds. were prepal. by reaction of 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxypyrazole (I) with CICH2COR [R = (substituted) Ph. (halogenated) Me3C]. Thus, refluxing a mixt. of MeCN 15 mix, I 2.0, PhCOCH2CI 1.1, K2CO3 1.0, and KI 0.0 6 g for 1 h gave 2.7 g 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-(phenacyloxy) pyrazole.

IT 81842-70-8P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of) APPLICATION NO. DATE

(prepn. of) 81842-70-8 CAPLUS

nn a.842-70-8 CAPAUS
CN 1-Propanone,
1-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-2,2dimethyl- (9CI) (CA INDEX NAME)

L4 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1981:550653 CAPLUS
DOCUMENT NUMBER: 95:150653
4-Benzoyl-5-hydroxypyrazoles
THILE: 4-Benzoyl-5-hydroxypyrazoles
Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DOCUMENT TYPE: PELANGUAGE: Jamily ACC. NUM. COUNT: 1
PATENT INFORMATION: Patent Japanese

APPLICATION NO. DATE PATENT NO. KIND DATE JP 56043271 PRIORITY APPLN. INFO.: A2 19810421 JP 1979-118043 19790914 JP 1979-118043 19790914

4-Benzoyl-5-hydroxypyrazoles I (R, R1, R2 = Me, Cl, Cl; Me, Cl, NO2; Me, NO2, Cl; Me2CH, Cl, Cl; Me, Cl, SO2Me) were prepd. by reaction of II with III in the presence of AlCl3. Thus, a mixt. of II (R = Me, R1 = R2 = Cl) 2, III (R = Me), R5, and AlCl3 1.8 g in CH2Cl2 was refluxed 2 h to give 81% I (R = Me, R1 = R2 = Cl) 79220-476

RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, with hydroxypyrazole) 79220-47-6 CAPLUS Methanone, (1,3-dimethyl-1H-pyrazole-4,5-diyl)bis[(2,4-dichlorophenyl)-(9CI) (CA INDEX NAME)

L4 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1980:420752 CAPLUS
DOCUMENT NUMBER: 99:20752
TITLE: Synergistic rice paddy herbicides
INVENTOR(S): Konotsune, Takao; Kawakubo, Katsuhiko; Honma,
PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan
Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JXXXAF

Sankyo Co., Ltd., Japan Jpn. Kokai Tokkyo Koho, 9 pp. CODEN: JKXXAF Patent Japanese 1

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 55035038	A2	19800311	JP 1978-108387	19780904
JP 61016247	B4	19860428		
JP 60214712	A2	19851028	JP 1985-43500	19850305
JP 63027321	B4	19880602		
PRIORITY APPLN. INFO.	:		JP 1978-108387	19780904
GI				

A compn. contg. 1-(.alpha.,.alpha.-dimethylbenzyl)-3-(p-tolyl)urea (A) [42609-52-9] and pyrazoles I (X = H, 4-toluenesulfonyl or CH2nY where Y = alkoxy, alkylthio, alkoxycarbonyl, acyl, or substituted Ph or benzoyl) is a synergistic rice paddy herbicide. Thus, a-compn. contg.
1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxypyrazole [58010-98-3] [14

3 g/are) controlled Echniochloa crus-galli, Scirpus juncoides, Sagittaria pygmaea, Cyperus serotinus, and other broad-lead weeds in rice. Either one of the components alone failed to control all of the weeds. Prep. data is given. 74109-78-7

74109-78-7
RE: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic herbicidal compn. contg.)
74109-78-7 CAPLUS
2-Propanone, 1-{4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl}-(9CI) (CA INDEX NAME)

L4 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2003 ACS

ANSWER 19 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

L4 ANSWER 20 OF 26
ACCESSION NUMBER:
DOCUMENT NUMBER:
1980:175648 CAPLUS
1980:175648 CAPLUS
175648 CAPLUS
1980:175648 CAPLUS
1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxypyrazole, a herbicidal compound
Kawakubo, Katauhiko; Shindo, Masahiro; Konotsune,
Takuo
CORPORATE SOURCE:
SOURCE:
SOURCE:
DOCUMENT TYPE:
DOCUMENT TYPE:

DOCUMENT TYPE: LANGUAGE:

In org. solvents, 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxypyrazol
(I) [58010-98-3] converted chlorophyll a [479-61-8] and b [479-61-8]
extd. from rice seedlings (Oryza sativa) into pheophytin a [603-17-8]

b [3147-18-0], resp. On comparing the chlorophyll-converting activity

I with those of acetic, glycolic, 2,4-dichlorobenzoic, monochloroacetic, 2,6-dichlorobenzoic, pyruvic, and dichloroacetic acids, it was demonstrated that I induced H+ into chlorophyll specifically. 5-Hydroxypyrazoles, which seem to be dissociable, converted chlorophyll into pheophytin in vitro. These compds, also induced chlorosis in sedge seedlings (Cyperus serotinus), when the seedlings were grown in media contg, these compds: However, 5-hydroxypyrazoles, which seem to be undissociable, and analoga having no hydroxy group caused neither the chlorophyll conversion in vitro nor chlorosis in the seedlings. Chlorosis

in barnyardgrass seedlings (Echinochloa crus-galli) induced by I was reversed by cultivating the seedlings in media contg. I plus NaOH, KOH, NHOOH, Ca(OH)2, Na acetate [127-09-3]. Na pyruvate [131-24-6]. Na succinate [131-24-6]. Na funarate [14047-56-4]. Accumulation of the vinylpheoporphyrin [72619-82-0] fraction in 4-day-old etiolated radish cotyledons (Raphanus sativus) was enhanced by incubating the cotyledons with .delta-aminolevulinic acid [106-60-5] in the dark. However, simultaneous treatment with .delta-aminolevulinic acid and I reduced accumulation of the fraction and promoted formation of the uro [26316-36-9], copro [14643-66-4], and protoporphyrin [2712-71-7] fractions. I blocks the synthesis of protochlorophyllide in intactice

plants
and induces consequent chlorosis. The H+-donating activity of I might
cause the redn. of protochlorophyllide biosynthesis.

ANSWER 20 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
72619-87-5
(pheophytin formation by action of, from chlorophyll)
72619-87-5 CAPLUS
Methanone, (2,4-dichlorophenyl)(1,3,5-trimethyl-1H-pyrazol-4-yl)- (9CI)
(CA INDEX NAME)

ANSWER 21 OF 26 CAPLUS COPYRIGHT 2003 ACS SSION NUMBER: 1978:563486 CAPLUS MENT NUMBER: 89:163486 ACCESSION NUMBER:

DOCUMENT NUMBER: TITLE:

89:163486
1,4- and 1,7-Addition reactions of 4-(substituted benzylidene)-3,5-dimethylisopyrazoles
Kurihara, Takushi; Sakamoto, Yasuhiko; Sakaguchi,
Toshiko; Hirano, Hiroshi
Osaka Coll. Pharm., Osaka, Japan
Chemical & Pharmaceutical Bulletin (1978), 26(4),
1141-6

AUTHOR(S):

CORPORATE SOURCE:

SOURCE:

CODEN: CPBTAL; ISSN: 0009-2363

DOCUMENT TYPE:

LANGUAGE:

Treating the title isopyrazoles I (R = 2-NO2, 3-NO2, 2-Cl) with Ac20, Mc2SO4, or McOR gave the 1,4-addn. products II (R1 = Ac0, R2 = Ac; R1 = McO, R2 = Mc; R1 = McO, R2 = H; resp.). Brominating I gave Rc6H4CHO and 4-bromo-3,5-dimethylpyrazole; treating I with AcCl, BzCl, EtO2CCl, and 4-McC6H4SO2Cl in pyridine at 50-60.degree. and then hydrolyzing gave II (R1 = MO; R2 = Ac, Bz, EtO2C, 4-McC6H4SO2; resp.). Treating I (R = 2)

with AcCl, BzCl or EtO2CCl in the absence of pyridine gave the pyrazolylanthranils III (R3 = Ac, Bz, EtO2C; resp.) via 1,7-addn. of the

IT

(prepn. of)
57412-15-4 CAPLUS
HH-Pyrazole, 4-[(2-chlorophenyl)methoxymethyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

ANSWER 21 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

67714-66-3 CAPLUS
1H-Pyrazole-4-methanol, 1-acetyl-.alpha.-(2-chlorophenyl)-3,5-dimethyl-, acetate (ester) (9CI) (CA INDEX NAME)

67714-68-5 CAPLUS
1H-Pyrazole-4-methanol, 1-acetyl-.alpha.-(2-chlorophenyl)-3,5-dimethyl-(9CI) (CA INDEX NAME)

67714-69-6 CAPLUS |H-Pyrazole-4-methanol, 1-benzoyl-.alpha.-(2-chlorophenyl)-3,5-dimethyl-(GCI) (CA INDEX NAME)

ANSWER 21 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

67714-72-1 CAPLUS
1H-Pyrazole-1-carboxylic acid, 4-[(2-chlorophenyl)hydroxymethyl]-3,5-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)

67714-75-4 CAPLUS
1H-Pyrazole-4-methanol, .alpha.-(2-chlorophenyl)-3,5-dimethyl-1-[(4-methyl)henyl)aulfonyl]- (9CI) (CA INDEX NAME)

ANSWER 21 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

67714-76-5 CAPLUS
1H-Pyrazole-4-methanol, 1-benzoyl-.alpha.-(2-chlorophenyl)-3,5-dimethyl-, benzozet (edeter) (9C1) (CA INDEX NAME)

L4 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1978:546684 CAPLUS
DOCUMENT NUMBER: 89:146684
Molecular structure of azines of
3-acetyl-4-hydroxy-2-

AUTHOR(S): Masanobu;

methoxy-4-phenylcrotonic acid lactones Kurihara, Takushi; Sakamoto, Yasuhiko; Mori,

CORPORATE SOURCE:

DOCUMENT TYPE: LANGUAGE: GI

Sakaki, Toshimasa Ogaka Coll. Pharm., Osaka, Japan Heterocycles (1978), 9(8), 1041-6 CODEN: HTCYAM; ISSN: 0385-5414 Journal English

AB Treatment of I (R = H, Cl) with N2H4.2HCl gave a mixt. of the corresponding II and III. Crystal structures of II (R = Cl) and III (R = Cl) were detd.

IT 67735-39-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 67735-39-1 CAPLUS
CN 1H-Pyrazole-3-carboxylic acid,
4-((2-chlorophenyl)methoxymethyl)-5-methyl, methyl ester (9Cl) (CA INDEX NAME)

ANSWER 22 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

L4 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1975:514283 CAPLUS
BOCLMENT NUMBER: 38:114283
Molecular structure and chemical reactivities of the condensation products of o-substituted benzylidenacetylacetone with hydrazine

dihydrochloride AUTHOR(S): Kurihara, Takushi; Sugiyama, Mariko; Hirano, Hiroshi; Tomita, Kenichi; Sakaki, Masayoshi Osaka Coll. Pharm., Osaka, Japan Journal of Heterocyclic Chemistry (1975), 12(3),

CORPORATE SOURCE:

541-5 CODEN: JHTCAD; ISSN: 0022-152X

CODEN: JHTCAD, ISSN: 0022-152X
JOURNAL

DOCUMENT TYPE: Dayra

I For diagram(s), see printed CA Issue.

AB Reaction of 0-02NC6H4CH:C(COMe)2 with H2NNH2.HCl in MeOH gave

4-(.alpha.-methoxy-0-nitrobenzyl)-3,5-dimethylpyrazole hydrochloride

(I.HCl), whose structure was unambiguely confirmed by an X-ray

crystallog. analysis, via 4-(o-nitrobenzylidene)-3,5-dimethyliopyrazole

II. II was synthesized by condensation of 0-02NC6H4CH: C(COMe)2 with

H2NNH2.2HCl in MeCN. Analogously the corresponding o-chloro derivatives

were obtained. These were converted to N-methyl and N-acetyl

derivatives.

T 57412-15-4P 57412-17-6P 57412-19-8P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of)

RN 57412-15-4 CAPLUS

IH-Pyrazole, 4-[(2-chlorophenyl)methoxymethyl]-3,5-dimethyl- (9CI) (CA

INDEX NAME)

57412-17-6 CAPLUS 1H-Pyrazole, 4-[(2-chlorophenyl)methoxymethyl]-1,3,5-trimethyl- (9CI)

1.4 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2003 ACS

57412-19-8 CAPLUS
1H-Pyrazole, 1-acetyl-4-[(2-chlorophenyl)methoxymethyl]-3,5-dimethyl(9CI) (CA INDEX NAME)

ANSWER 24 OF 26 CAPLUS COPYRIGHT 2003 ACS SSION NUMBER: 1972:552091 CAPLUS MENT NUMBER: 77:152091

ACCESSION NUMBER: DOCUMENT NUMBER: TITLE:

77:152091
New rearrangement reaction leading to dihydropyridazinone derivatives
Fusco, Raffaello; Dalla Croce, Piero
Ist. Chim. Ind., Univ. Milano, Milan, Italy
Gazzetta Chimica Italiana (1972), 102(6), 431-44
CODEN: GGITA9; ISSN: 0016-5603
JOURNAL
FORLish AUTHOR (S) :

CORPORATE SOURCE: SOURCE:

DOCUMENT TYPE:

DOCUMENT TYPE: JOURNAL
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Seven 4,5-dihydro-3-pyridazinones (I, R = CO2Me, CO2Et, Ph, etc.; R1 = Ph

Ph, substituted phenyl) were prepd. by refluxing the
4-phenacylidene-5-hydroxy2-pyrazolines (II) in PhMe. I-structures were confirmed by anal., ir,
NMR, and some chem. reactions. On the basis of the kinetic measurements of the reaction a mechanism of the rearrangement is suggested.

IT 37915-36-99 37915-37-09

37915-36-9P 37915-37-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
37915-36-9 CAPLUS
HI-Pyrazole-3-carboxylic acid, 4,5-bis(2,6-dichlorobenzoyl)-1-phenyl-,
ethyl ester (9CI) (CA INDEX NAME)

37915-37-0 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4,5-bis(2-chlorobenzoyl)-1-phenyl-, ethyl
eater (9C1) (CA INDEX NAME)

ANSWER 24 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

14 ANSMER 25 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1964:411196 CAPLUS
DOCUMENT NUMBER: 61:1196
ORIGINAL REFERENCE NO: 61:1807e-9
FORTHILE: FORTHILO DEPUTE OF THE PROPERTION OF DYPOPHOSPHATE FOR QUINDING HEADTH OF THE PROPERTION OF DYPOPHOSPHATE FOR QUINDING HEADTH OF THE PROPERTION OF DYPOPHOSPHATE SOURCE: HeadTH OF THE PROPERTION OF THE PR

L4 ANSMER 26 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1964:411195 CAPLUS
OCCUMENT NUMBER: 61:11195
ORIGINAL REFERENCE NO.: 61:1807d-e
COPPORATE SOURCE: COMPORATE SOURCE: Duke Univ., Durham, NC
CORPORATE SOURCE: Duke Univ., Durham, NC
SOURCE: J. Org. Chem. (1964), 29(6), 1391-4
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
GI For diagram(a), see printed CA Issue.
AB Bunnett's principle of ring closure involving the intramol. reaction of an anion with the benzyne moiety was adapted to certain cyclizations in which
the terminal Me group of an o-chlorophenyl .beta.-diketone or .beta.-oxoaldehyde was condensed with the aromatic ring through a dicarbanion-benzyne intermediate. The cyclizations, effected by excess KNN2 in liquid NN3, afforded, e.g. I and II.
(prepn. of)
RN 91721-17-4 CAPLUS
CN Pyrazole, 4-(o-chlorobenzyl)-3,5-dimethyl(CN Pyrazole, 4-(o-chlorobenzyl)-3,5-dimethyl(CA INDEX NAME)

=> file reg COST IN U.S. DOLLARS

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100.0% PROCESSED 34208 ITERATIONS 298 ANSWERS

SEARCH TIME: 00.00.01

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=> s 17 L8 32 L7

=> d 18 not 14
L4 IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY".

=> d ibib abs hitstr tot

L8 ANSWER 1 OF 32 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2002:814087 CAPLUS DOCUMENT NUMBER: 137:325234 TITLE: Preparation of aminophe

Preparation of aminophenyl (hetero)aryl ketones as

MAP kinase inhibitors for treatment of inflammatory

diseases or conditions Havez, Sophie Eliasbeth Leo Pharma A/S, Den. PCT Int. Appl., 69 pp. CODEN: PIXXD2 INVENTOR (S) PATENT ASSIGNEE (5): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: Patent English

PATENT NO. KI						DATE			APPLICATION NO. DATE									
-																		
W	WO 2002083622			A	A2 20021024				W	0 20	02-D	K236						
	W:	AE,	AG,	AL,	AM,	AT,	AU,	A2,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,	
		co,	CR.	CU,	CZ,	DE,	DK,	DM.	DZ,	EC,	EĒ,	ES,	FI,	GB,	GD,	GE,	GH,	
		GM,	HR,	HU,	ID.	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,	
		LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN.	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,	
		PL.	PT.	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TN,	TR,	TT,	TZ,	
		UA.	UG,	US,	UZ,	VN,	YU,	ZA,	ZM,	ZW,	AM,	AZ,	BY,	KG,	KZ,	MD,	RU,	
		TJ.	TM															
	RW:	GH.	GM,	KE.	LS.	MW.	MZ.	SD,	SL,	SZ,	TZ.	UG,	ZM,	ZW,	AT,	BE,	CH,	
		CY.	DE.	DK.	ES.	FI.	FR.	GB.	GR.	IE.	IT.	LU.	MC.	NL,	PT.	SE.	TR,	
		BF.	BJ.	CF.	CG.	CI,	CM.	GA.	GN.	GO,	GW.	ML.	MR.	NE.	SN.	TD.	TG	
PRIORI	TY APP																	
		MARPAT 137:325234																

Title compds. I [wherein R1 = $\{un\}$ substituted heteroaryl; X = 0, S, AB Title compds. I [wmere:n. a. -
N(OH).

or NRB; RB = H or alkyl; R2 = H, halo(alkyl), hydroxy(alkyl), SH, CN,

NO2,

(cyclo)alkyl, alkenyl, alkynyl, aralkyl, alkylaryl, (ar)alkoxy,
alkylthio,
alkoxycarbonyl, alkylcarbonylamino, alkylcarboxy, alkylcarbonyl, NR6R7,

CONR6R7; R3 = H, (cyclo)alkyl, (cyclo)alkenyl, alkynyl, CO2H, or aryl; A (hetero)aryl; R4 = H, halo(alkyl), hydroxy(alkyl), SH, CN, CO2H, NO2,

ANSWER 1 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

473423-64-2 CAPLUS
Methanethione,
10ro-4-[(2-methylphenyl)amino]phenyl](1,3,5-trimethyl1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)

473424-13-4 CAPLUS Mcthanone, [2-chloro-4-[(2-methylphenyl)amino]phenyl](1,3,5-trimethyl-1H-pyrazol-4-yl)-, oxime (9CI) (CA INDEX NAME)

ANSWER 1 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
(cyclo)alkyl, (cyclo)alkenyl, alkylnyl, heterocycloalkyl, (heterolaryl, aralkyl, alkylaryl, (arlalkoxy, alkylthio, alkoxycarbonyl, alkylcarbonylamino, aminocarboaminoalkyl, aminosulfonyl, alkylcarbonyl, alkylcarbonyl, alkylcarbonyl, alkylcarbonyl, aminosulfonyl, alkylcarbonyl, alkylcarbonyl, NR6R7, or CONRGR7; R5 = H, halo(alkyl), hydroxy(alkyl), SH, CO2H, carbamoyl, NH2, NO2, (cyclo)alkyl, (cyclo)alkyl), heterocycloalkyl, (heterolaryl, aralkyl, alkylaryl, arlalkyd, alkylaryl, alkylaryl, arlalkyd, alkylaryl, arlalkyd, alkylaryl, alkylarylafonyl, alkylcarbonyl, mainocarboaminoalkyl, aminosulfonyl, alkylaulfonylamino, alkylcarbony, alkylsulfonyloxy, alkxysulfonyl, alkylcarbonyl, NR6R7, or CONRGR7; R6 and R7 = independently H, alkyl, aryl, etc.; or pharmaceutically acceptable salts, hydrates, solvates, or esters thereoff were prepd. as inhibitors of MAP kinases, in particular the p38 MAP kinase. For example, 2-bromo-3-chlorothorphene was coupled with 2-chloro-4-nitrobenzoyl chloride to give 2-chloro-4-nitrobenyl 3-chloro-2-thienyl ketone (441), which was reduced to the amine (95%). Addn. of 2-bromotoluene afforded II (31%). The latter displayed potent inhibitory activity against p38.alpha. MAP kinase and PNN-superoxide with LCSO

inhibited prodn. of IL-1.beta., TNF-.alpha., and PMN-superoxide with IC50 values of 72 nM, 17 nM, and 6.3 nM, resp. Thus, I and compna. of I with other active components are useful as antiinflammatory agents in the prophylaxis or treatment of inflammatory diseases or conditions (no

// 473433-05-1P, [4-(2-Tolylamino)-2-chlorophenyl] [1,3,5-trimethyl-4-pyrazolyl]ketone 473423-64-2P, [4-(2-Tolylamino)-2-chlorophenyl] [1,3,5-trimethyl-4-pyrazolyl]thioketone 473424-13-4P, [4-(2-Tolylamino)-2-chlorophenyl] [1,3,5-trimethyl-4-pyrazolyl]ketoxime RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Uses)
(p38 MAP kinase inhibitor; prepn. of aminophenyl (hetero)aryl ketones as p38 MAP kinase inhibitors by coupling (halo)heterocycles with nitrobenzoyl chlorides followed by redn.)
473423-05-1 CAPLUS
Methanone, [2-chloro-4-[(2-methylphenyl)amino]phenyl](1,3,5-trimethyl-1H-pyrszol-4-yl)- (9CI) (CA INDEX NAME)

ANSWER 1 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

L8 ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2002:51437 CAPLUS DOCUMENT NUMBER: 136:118445

TITLE:

136:118445
Pyrazole derivatives useful as reverse transcriptase inhibitors, for the treatment of HIV infection, and their use, formulations, and preparation Corbau, Romwald Gaston: Mowbray, Charles Eric;

INVENTOR (S):

Perros,

Manoussos; Stupple, Paul Anthony; Wood, Anthony Pfizer Limited, UK; Pfizer Inc. PCT Int. Appl., 175 pp. CODEN: PIXXD2 PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE: English

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT	KIND DATE			APPLICATION NO. DATE													
					-												
WO 2002	A1 20020117																
WO 2002	C:	2	2002	1212	2												
W:	AE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,	
	co.	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GÊ,	GH,	
	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	ΚP,	KR,	KZ,	LC,	LK,	LR,	
	LS.	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PL,	PT,	
	RO,	RU,	SD,	SE,	SG,	SI,	sĸ,	SL,	TJ,	TM,	TR,	TT,	TZ,	UΑ,	UG,	US,	
	UZ.	VN,	YU,	ZA,	ZW,	AM,	AZ,	BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM			
RW:	GH.	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	AT,	BE,	CH,	CY,	
	DE,	DK,	ES,	FΙ,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,	
	BJ,	CF,	CG,	CI,	CM,	GA,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG			
US 2002032184 A1 20020314								US 2001-899322 20010705									
PRIORITY APPLN. INFO.:								GB 2	-000	1678	7	Α	2000	0707			
							1	US 2	000-	2200	87P	₽	2000	0721			

MARPAT 136:118445 OTHER SOURCE(S):

The invention relates to the use of pyrazole derivs. I and pharmaceutically acceptable salts and solvates thereof, in the manuf. of

reverse transcriptase inhibitor or modulator, to certain novel pyrazole

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-06-3 CAPLUS
1M-Pyrazole-1-acetic acid, 4-{(3,5-dichlorophenyl)methyl}-5-methyl-3-(1-methylthyl)-, ethyl ester (9CI) (CA INDEX NAME)

390355-10-9 CAPLUS 1H-Pyrazole, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl- (9CI) (CA INDEX NAME)

390355-16-5 CAPLUS 1H-Pyrazole, 4-[(3,5-dichlorophenyl)methyl]-3-methyl-5-(1-methylethyl)-

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) derivs. among these, and to processes for the prepn. of and compns.

contg.
such novel derivs. [wherein: (i) R1 • H, (un)substituted (cyclo)alkyl,

or benzyl, halo, cyano, OH derivs., CO2H or derivs., NH2 or derivs.,

of Denzyl, Malo, Syano, S. Corrections of Ch2 may be replaced by O or (un)substituted NH; Y = bond or Cl-3 alkylene; Z = (un)substituted alk(en/yn)yl, cycloalkyl, Ph, benzyl, or certain acylated or sulfonylated amino groups; R3 = H, (un)substituted (cyclo)alkyl, Ph, benzyl, cyano, halo, OH derivs., COZH or derivs., NH2 or derivs., R4 = (un)substituted

halo, OH derivs., CO2H or derivs., NN2 or derivs., R4 = (un)substituted or pyridyl; X = (un)substituted CH2, CO, S, SO, or SO2l. The compds. are useful for treating infection by HHV or genetically related retroviruses, or a resultant case of AIDS. Examples include over 90 invention compds. and over 50 prepd. intermediates. For instance, coupling of 3-chloro-2,4-pentanedione with 3.5-dichlorothiophenol in the presence of NaI and K2CO3 gave the intermediates. For instance, coupling of 3-chloro-2,4-pentanedione with 3.5-dichlorothiophenol in the presence of NaI and K2CO3 gave the intermediate 3-[(3,5-dichlorophenyl)sulfanyl]-2,4-pentanedione. Cyclocondensation of this dione with (2-hydroxyethyl)hydrazine gave the invention pyrazole II. All example compds. inhibited recombinant HIV-1 reverse transcriptase in vitro with ICSO values of < 100 .mu.M.
390355-01-8p, 2-[4-(3,5-Dicflorobenzyl)-3,5-diethyl-1H-pyrazol-1-yllethanol 390355-06-3P, Ethyl (4-(3,5-dichlorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-1-spp-2,4-(3,5-Dicflorobenzyl)-3-3-sidethyl-1H-pyrazol-1-yllethanol 390355-43-PP, 2-[4-(3,5-Dicflorobenzyl)-3-3-sidethyl-1H-pyrazol-1-yllethanol 390355-43-PP, 2-[4-(3,5-Dicflorobenzyl)-3,5-diethyl-1H-pyrazol-1-yllethanol 390355-43-PP, 2-[4-(3,5-Dicflorobenzyl)-3,5-diethyl-1H-pyrazol

in-pyrazol-1-yi|etnanmane 390355-45-0P, Ethyl
4-[(3,5-dichlorophenyi) sulfanyl)-5-ethyl-1-(2-hydroxyethyl)-1H-pyrazole-3carboxylate 390355-46-1P, Ethyl 4-([(3,5-dichlorophenyi)]sulfanyl]3-ethyl-1-(2-hydroxyethyl)-1H-pyrazole-5-carboxylate 390355-83-6P,
Ethyl 4-(3,5-dichlorobenzyl)-1-(2-hydroxyethyl)-5-methyl-1H-pyrazole-3carboxylate 390355-92-7P, 2-(4-[(3,5-Dibromophenyl)]sulfanyl]-3,5diethyl-1H-pyrazol-1-yllethanol
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic
preparation); TRU (Therapeutic use); BIOL (Biological atudy); PREP
(drug candidate; prepn. of pyrazole derivs. as reverse transcriptase
inhibitors for the treatment of HIV infection and AIDS)
RN 390355-01-8 OAPLUS
NH-Pyrazole-1-ethanol, 4-((3,5-dichlorophenyl)methyl]-3,5-diethyl- (9CI)
(CA INDEX NAME)

ANSWER 2 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) (9C1) (CA INDEX NAME)

390355-17-6 CAPLUS IM-Pyrazole, 4-[(3,5-difluorophenyl)methyl]-3-methyl-5-(1-methylethyl)-(SCI) (CA INDEX NAME)

390355-19-8 CAPLUS
1H-Pyrazole, 4-{(3-chlorophenyl)methyl}-3-methyl-5-(1-methylethyl)- (9CI)
(CA INDEX NAME)

390355-20-1 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)thio]-3,5-dimethyl- (9CI)
(CA INDEX NAME)

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                 NETFIRST to be removed from STN
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                 PHARMAMarketLetter(PHARMAML) - new on STN
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                 NTIS has been reloaded and enhanced
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                 Aquatic Toxicity Information Retrieval (AQUIRE)
                 now available on STN
                 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 20 Aug 19
                 The MEDLINE file segment of TOXCENTER has been reloaded
 NEWS 21 Aug 19
                 Sequence searching in REGISTRY enhanced
 NEWS 22 Aug 26
                 JAPIO has been reloaded and enhanced
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 NEWS 28 Oct 24 BEILSTEIN adds new search fields
 NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
 NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
 NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
 NEWS 32 Nov 25
                 More calculated properties added to REGISTRY
 NEWS 33 Dec 02 TIBKAT will be removed from STN
 NEWS 34 Dec 04
                CSA files on STN
 NEWS 35 Dec 17
                 PCTFULL now covers WP/PCT Applications from 1978 to date
                 TOXCENTER enhanced with additional content
 NEWS 36 Dec 17
 NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
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NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003 NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003

NEWS 38 Dec 30 ISMEC no longer available

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

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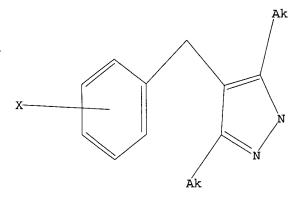
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L2 QUE L1

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L1 STR



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L4 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 2002:814087 CAPLUS DOCUMENT NUMBER: 137:325234

Preparation of aminophenyl (hetero)aryl ketones as

MAP kinase inhibitors for treatment of inflammatory

INVENTOR(S):

MAP kinase inhibitors for diseases or conditions Havez, Sophie Elisabeth Leo Pharma A/S, Den. PCT Int. Appl., 69 pp. CODEN: PIXXD2 Patent PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: English

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

WO 2002083622 A2 20021024 WO 2002-DK236 20020410
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, PI, GB, GD, GB, GH, GM, HR, HU, ID, IL, IN, IS, JP, KB, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, MZ, NO, NZ, OM, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZM, AM, AZ, BY, KG, KZ, MD, UT, TM, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CC, CT, CM, GA, OM, GD, GM, ML, MR, NE, SN, TD, PRIORITY APPLN. INFO:

OTHER SOURCE(S):

MARPAT 137:325234

GI PATENT NO. KIND DATE APPLICATION NO. DATE

AB Title Compds. I (wherein R1 = (un)substituted heteroary1; X = 0, S, N(OH), or NR8; R8 = H or alkyl; R2 = H, halo(alkyl), hydroxy(alkyl), SH, CN, NO2,

(cyclo)alkyl, alkenyl, alkynyl, aralkyl, alkylaryl, (ar)alkoxy, alkylthio. alkoxycarbonyl, alkylcarbonylamino, alkylcarboxy, alkylcarbonyl, NR6R7,

CONR6R7; R3 = H, (cyclo)alkyl, (cyclo)alkenyl, alkynyl, CO2H, or aryl; A

(hetero)aryl; R4 = H, halo(alkyl), hydroxy(alkyl), SH, CN, CO2H, NO2,

ANSWER 1 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 473423-64-2 CAPLUS
CN Methanethione,
[2-chloro-4-(2-methylphenyl)amino]phenyl](1,3,5-trimethyl1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)

473424-13-4 CAPLUS

4/3424-13-4 CAPLOS Methanone, [2-chloro-4-[(2-methylphenyl)amino]phenyl](1,3,5-trimethyl-1H-pyrazol-4-yl)-, oxime (9CI) (CA INDEX NAME)

ANSWER 1 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
(cyclo)alkyl, (cyclo)alkenyl, alkynyl, heterocycloalkyl, (hetero)aryl,
aralkyl, alkylaryl, (ar)alkoxy, alkylthio, alkoxycarbonyl,
alkylarbonylamino, aminocarbominoalkyl, aminoeulfonyl,
alkylsulfonylamino, alkylcarbony, alkoxycarboxy, alkylsulfonyloxy,
alkylsulfonylamino, alkylcarbonyl, NAGR7, or CONREGR7, RS = H. halo(alkyl),
hydroxy(alkyl), SH. CN. CO2H, carbamoyl, NH2, NO2, (cyclo)alkyl,
(cyclo)alkenyl, alkynyl, heterocycloalkyl, (hetero)aryl, aralkyl,
alkylaryl, (ar)alkoxy, alkylthio, alkoxycarbonyl, alkylcarbonylemino,
aminocarbominoalkyl, aminosulfonyl, alkylsulfonylamino, alkylcarboxy,
alkoxycarboxy, alkylsulfonyloxy, alkoxycarbonyl, alkylcarboxy,
alkoxycarboxy, alkylsulfonyloxy, alkoxycarbonyl, alkylcarboxyl,
alkoxycarboxy, alkylsulfonyloxy, alkoxycarboxyl, alkylcarboxyl,
alkoxycarboxy, alkylsulfonyloxy, alkoxycarboxyl, alkylcarboxyl,
neroseproperos

inhibited prodn. of IL-1.beta., TNF-.alpha., and PMN-superoxide with IC50 values of 72 nM, 17 nM, and 6.3 nM, resp. Thus, I and compns. of I with other active components are useful as antiinflammatory agents in the prophylaxis or treatment of inflammatory diseases or conditions (no

1, 473423-05-1P, [4-(2-Tolylamino)-2-chlorophenyl][1,3,5-trimethyl-4-pyrazolyl]ketone 473423-64-2P, [4-(2-Tolylamino)-2-chlorophenyl][1,3,5-trimethyl-4-pyrazolyl]Lhioketone 473424-13-4P, [4-(2-Tolylamino)-2-chlorophenyl][1,3,5-trimethyl-4-pyrazolyl]ketoxime RL: PAC [Pharmacological activity]; SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological atudy); PREP (Preparation); USES ("Essea")

(B)B MAP kinase inhibitor; prepn. of aminophenyl (hetero)aryl ketones as p38 MAP kinase inhibitors by coupling (halo)heterocycles with nitrobenzoyl chlorides followed by redn.)

Tricoler Control of the Control of t

ANSWER 1 OF 26 CAPLUS COPYRIGHT 2003 ACS

L4 ANSMER 2 OF 26 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 2002:51437 CAPLUS
DOCUMENT NUMBER: 115:118445
Pyrazole derivatives useful as reverse transcriptase inhibitors, for the treatment of HIV infection, and their use, formulations, and preparation
INVENTOR(S): Corbau, Romuald Gaston; Mowbray, Charles Eric;

Manoussos; Stupple, Paul Anthony; Wood, Anthony Pfizer Limited, UK; Pfizer Inc. PCT Int. Appl., 175 pp. CODEN: PIXXD2 Perros,

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: Patent English

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO.

OTHER SOURCE(S):

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS

The invention relates to the use of pyrazole derivs. I and pharmaceutically acceptable salts and solvates thereof, in the manuf. of

reverse transcriptase inhibitor or modulator, to certain novel pyrazole

(Continued)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (9CI) (CA INDEX NAME)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) derivs. among these, and to processes for the prepn. of and compns. eg.
such novel derivs. [wherein: (i) R1 = H, (un)substituted (cyclo)alkyl, or benzyl, halo, cyano, OH derivs., CO2H or derivs., NH2 or derivs.,

etc.;

R2 = H or -YZ; or (ii) R1R2 = C3-4 alkylene where one CH2 may be replaced
by O or (un)aubstituted NH; Y = bond or C1-3 alkylene; Z =
(un)aubstituted
alk(en/yn)yl, cycloalkyl, Ph, benzyl, or certain acylated or sulfonylated
amino groups; R3 = H, (un)substituted (cycloalkyl, Ph, benzyl, cyano,
halo, ON derive., CO2N or derivs., NN2 or derivs.; R4 = (un)substituted
Ph

amino groups; R3 * H, (un)substituted (cyclo)alkyl, Ph, benzyl, cyano, halo, OH derivs., CO2N or derivs., NR2 or derivs.; R4 * (un)substituted or pyridyl; X * (un)substituted CH2, CO, S, SO, or SO2]. The compds. are useful for treating infection by HIV or genetically related retroviruses, or a resultant case of AIDS. Examples include over 90 invention compds. and over 50 prepd. intermediates. For instance, coupling of 3-chloro-2,4-pentanedione with 3,5-dichlorochiophenol in the presence of NaI and K2CO3 gave the intermediate 3-((3,5-dichlorophenyl)sulfanyl)-2,4-pentanedione. Cyclocondensation of this dione with (2-hydroxyethyl)hydrazine gave the invention pyrazole II. All example compds. inhibited recombinant HIV-1 reverse transcriptase in vitro with ICSO values of <100 .mu.M.
190355-01-8P, 2-(4-(3,5-Dichlorobenzyl)-3,5-dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllacetate 190355-10-9P, 4-(3,5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllacetate 190355-10-9P, 4-(3,5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1903055-19-9P, 4-(3,5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1903055-19-9P, 4-(3,5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1903055-190-9P, 4-(3,5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1903055-190-9P, 4-(3,5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1903055-190-9P, 4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yllmethanol
190355-12-7P, 2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yllmethanol
190355-42-7P, 2-(4-(3,5-Dich

(Continued)

390355-06-3 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(3,5-dichlorophenyl)methyl]-5-methyl-3-(1-methylethyl)-, ethyl eater (9CI) (CA INDEX NAME)

CH2-CH2-OF

390355-10-9 CAPLUS

1H-Pyrazole, 4-{(3,5-dichlorophenyl)methyl}-3,5-diethyl- (9CI) (CA INDEX
NAME)

 $\begin{array}{ll} 390355\text{-}16\text{--}5 & \text{CAPLUS} \\ 1\text{H-Pyrazole}, & 4\text{--}\{(3,5\text{-}dichlorophenyl)\text{-methyl}\}\text{--}3\text{--methyl}\text{--}5\text{--}(1\text{--methylethyl})\text{--} \\ \end{array}$

390355-17-6 CAPLUS
1H-Pyrazole, 4-([3,5-difluorophenyl)methyl]-3-methyl-5-(1-methylethyl)-(SCI) (CA INDEX NAME)

390355-19-8 CAPLUS
1H-Pyrazole, 4-{(3-chlorophenyl)methyl]-3-methyl-5-(1-methylethyl)- (9CI)
(CA INDEX NAME)

390355-22-3 CAPLUS
1H-Pyrazole, 4-[(3,5-dichlorophenyl)methyl]-3,5-dimethyl- (9CI) (CA NAME)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-37-0 CAPLUS RN 390355-37-0 CAPLUS
CN 1H-Pyrazole-1-propanoic acid,
4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-,
ethyl ester (9CI) (CA INDEX NAME)

390355-40-5 CAPLUS 1H-Pyrazole-1-methanol, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl- (9CI) (CA INDEX NAME)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-42-7 CAPLUS
1H-Pyrazole-1-ethanamine, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl(9CI) (CA INDEX NAME)

390355-83-6 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4-[(3,5-dichlorophenyl)methyl)-1-(2-hydroxyethyl)-5-methyl-, ethyl ester (9CI) (CA INDEX NAME)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-00-TP, 2-{4-(3.5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllethanol 390355-02-PP, 2-{4-(3-Chlorobenzyl)-5-methyl-1H-pyrazol-1-yllethanol 390355-03-OP, 2-{4-(3.5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllethanol 390355-03-PP, 2-{4-(3.5-Dichlorobenzyl)-5-methyl-1H-pyrazol-1-yllethanol 390355-03-PP, 2-{4-(3.5-Dichlorobenzyl)-5-isopropyl-3-methyl-1H-pyrazol-1-yllethanol 390355-03-PP, 2-{4-(3.5-Dichlorobenzyl)-5-isopropyl-3-methyl-1H-pyrazol-1-yllacetate 390355-03-PP, 2-{4-(3.5-Dichlorobenzyl)-5-isopropyl-3-methyl-1H-pyrazol-1-yllacetate 390355-03-PP, Ethyl (4-(3.5-dichlorobenzyl)-3-isopropyl-3-methyl-1H-pyrazol-1-yllacetate 390355-11-OP, 2-{4-(3.5-Dichlorobenzyl)-3-isopropyl-3-methyl-1H-pyrazol-1-yllacetate 390355-11-OP, 2-{4-(3.5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-isopropyl-5-methyl-1H-pyrazol-1-yllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-is-ethyl-3-isopropyl-5-methyl-1H-pyrazol-1-yllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-is-ethyl-3-ityllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-is-ethyl-3-ityllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-is-ethyl-3-ityllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-is-ethyl-3-ityllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-is-ethyl-3-ityllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-ityllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-ityllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-ityllacetate 390355-14-SP, 2-{4-(3.5-Dichlorobenzyl)-3-ityllacetate 390355-3-SP, 2-{4-(3.5-Dichlorobenzyl)-3-ityllacetate 390355-3-SP, 2-{4-(3.5-Dichlorobenzyl)-3-

N-[2-[4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-6-oxo-1,6-dihydro-2-pyridinecarboxamide 390355-60-9P, N-[2-[4-(3,5-Dichlorobenzyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-pyrazinecarboxamide

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
390355-61-0P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-oxo-2H-pyran-5-carboxamid 390355-62-1P,
N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(1H-tetrazol-1-yl)actuaide 390355-63-2P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(IH-tetrazol-1-yl)actuaide 390355-63-2P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-3-hydroxyacetamide 390355-64-8P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-hydroxyacetamide 390355-65-8P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-1,2,3-thidaiazole-4-carboxamide 390355-67-8P, N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(Gluenthyl-3)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(Gluenthyl-3)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(Gluenthyl-3)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(Gluenthyl-3)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2-(3-5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2-(3-5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2-(3-6-dithyl-1H-pyrazol-1-yl]ethyl]-N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N-(2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]-2-(4-(3,5-Dichlorobenzyl)-3,5-diethyl-1H-pyrazol-1-yl]-2-(4-(3 (Uses)
(drug candidate; prepn. of pyrazole derivs. as reverse transcriptase inhibitors for the treatment of HIV infection and AIDS)
390355-00-7 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3.5-dichlorophenyl)methyl]-5-methyl-3-(1-methylethyl)- (9CI) (CA INDEX NAME)

CH2-CH2-OH

390355-02-9 CAPLUS 1H-Pyrazole-1-ethanol, 4-[(3-chlorophenyl)methyl]-5-methyl-3-(1-methyl-thyl)- (9C1) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-03-0 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3,5-difluorophenyl)methyl)-5-methyl-3-(1-methylethyl)-(9(1) (CA INDEX NAME)

390355-04-1 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3-fluorophenyl)methyl)-5-methyl-3-(1-methylethyl)- (9CI) (CA INDEX NAME)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS

390355-09-6 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(3-fluorophenyl)methyl]-5-methyl-3-(1-methylethyl)-, ethyl ester (9CI) (CA INDEX NAME)

390355-11-0 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-3,5-dimethyl- (9CI)
(CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-05-2 CAPLUS
1H-Pyrazole-1-ethanol, 4-{(3,5-dichlorophenyl)methyl}-3-methyl-5-(1-methylethyl)- (9CI) (CA INDEX NAME)

390355-07-4 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(3,5-dichlorophenyl)methyl]-3-methyl-5-(1-methylethyl)-, ethyl ester (9CI) (CA INDEX NAME)

390355-08-5 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-, ethyl ester (9CI) (CA INDEX NAME)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-12-1 CAPLUS
1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-5-methyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

390355-14-3 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(3-chlorophenyl)methyl]-5-methyl-3-(1-methylethyl)-, ethyl ester (9CI) (CA INDEX NAME)

390355-15-4 CAPLUS
1H-Pyrazole-1-acetic acid, 4-[(3,5-difluorophenyl)methyl]-5-methyl-3-(1-methylethyl)-, ethyl eater (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-18-7 CAPLUS
CN 1H-Pyrazole, 4-[(3-fluorophenyl)methyl]-3-methyl-5-(1-methylethyl)- (9CI)
(CA INDEX NAME)

RN 390355-23-4 CAPLUS
CN 1H-Pyrazole-1-ethanamine, 4-[(3,5-dichlorophenyl)methyl]-3,5-dimethyl(9C1) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-24-5 CAPLUS
CN 1H-Pyrazole-1-ethanol, 4-[{3,5-dichlorophenyl}methyl]-5-ethyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 390355-25-6 CAPLUS
CN 1M-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-3-ethyl-5(trifluoromethyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-26-7 CAPLUS
CN 1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-5-ethyl-3-methyl(9CI) (CA INDEX NAME)

RN 390355-27-8 CAPLUS
CN 1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-3-ethyl-5-methyl(9C1) (CA INDEX NAME)

RN 390355-32-5 CAPLUS
CN Methanone,
(3,5-dichlorophenyl) [3,5-diethyl-1-(2-hydroxyethyl)-1H-pyrezol-4-yl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-33-6 CAPLUS
CN 1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methoxymethyl]-3,5-diethyl(9C1) (CA INDEX NAME)

RN 390355-34-7 CAPLUS CN 1H-Pyrazole-1-ethanol, 4-[(2,6-difluorophenyl)methyl]-3,5-diethyl- (9CI) (CA INDEX NAME)

RN 390355-35-8 CAPLUS
CN 1H-Pyrazole-1-ethanol, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-,
carbomate (ester) (9C1) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-36-9 CAPLUS
CN 1H-Pyrazole-1-propanoic acid,
4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-,
methyl ester (9C1) (CA INDEX NAME)

RN 390355-38-1 CAPLUS
CN 1H-Pyrazole-1-propanamide, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl(9C1) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-39-2 CAPLUS

NH-Pyrazole-1-propanol, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl- (9CI)
(CA INDEX NAME)

RN 390355-41-6 CAPLUS
CN 1H-Pyrazole-1-methanol, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-,
carbamate (ester | 9601) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-43-8 CAPLUS
CN Benzamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]- (9CI) (CA INDEX NAME)

RN 390355-44-9 CAPLUS
CN 1H-Imidazole-4-sulfonamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl}-1-methyl- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-49-4 CAPLUS

CN 1H-Pyra2ole-1-propanamine, 4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl(9CI) (CA INDEX NAME)

RN 390355-51-8 CAPLUS
CN Acctamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1yllethyl]-2,2-difluoro- [SCI] (CA INDEX NAME)

RN 390355-52-9 CAPLUS
CN Ethanediamide,
[2-[4-[4],5-dichlorophenyl]methyl]-3,5-diethyl-1H-pyrazol-1yl]ethyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-53-0 CAPLUS
CN 3-Pyridaxinecarboxamide,
N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl1H-pyrazol-1-yl]ethyl]-1,6-dihydro-6-oxo- (9CI) (CA INDEX NAME)

RN 390355-54-1 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-[2-[4-{[3,5-dichlorophenyl]methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-1,5-dimethyl- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

$$\begin{array}{c} \text{Me} \\ \text{Me} \\ \\ \text{Me} \\ \end{array}$$

RN 390355-55-2 CAPLUS
CN Acetamide, 2-((aminocarbonyl)amino]-N-{2-[4-{(3,5-dichlorophenyl}methyl}3,5-diethyl-1H-pyrazol-1-yl]ethyl]- (9CI) (CA INDEX NAME)

RN 390355-56-3 CAPLUS
CN Acetamide, N-[2-[4-[(],5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1yllethyl)-2-ethoxy- (9Cl) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-57-4 CAPLUS
CN 2-Pyridinecarboxamide,
N-[2-[4-[(3,5-dichloropheny1)methy1]-3,5-diethy1-1Hpyrazol-1-y1]ethy1]- (9CI) (CA INDEX NAME)

RN 390355-58-5 CAPLUS
CN Acetamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1yl]ethyl]-2-methoxy- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-59-6 CAPLUS
CN 2-Pyridinecarboxamide,
N-{2-(4-(1(3,5-dichlorophenyl)methyl}-3,5-diethyl-1Hpyrazol-1-yl)ethyl}-1,6-dihydro-6-oxo- (9CI) (CA INDEX NAME)

RN 390355-60-9 CAPLUS
CN Pyrazinecarboxamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1Hpyrazol-1-yl]ethyl]- (9CI) (CA INDEX NAME)

RN 390355-61-0 CAPLUS
CN 2H-Pyras-5-carboxamide, N-[2-{4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl1H-pyrazol-1-yl]ethyl]-2-oxo- (9Cl) (CA INDEX NAME)

L4 ANSMER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
RN 390355-62-1 CAPLUS
CN 1H-Tetrazole-1-acetamide,
N-[2-[4-[4],5-dichlorophenyl) methyl]-3,5-diethyl1H-pyrazol-1-yl]ethyl]- (9CI) (CA INDEX NAME)

390355-63-2 CAPLUS 2-Purancarboxamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethylltetrahydro- (9C1) (CA INDEX NAME)

390355-64-3 CAPLUS
Benzamide, N.[-2-(4-((3,5-dichlorophenyl)methyl)-3,5-diethyl-1H-pyrazol-1-yllethyl]-3-hydroxy- (9CI) (CA INDEX NAME)

1.4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-65-4 CAPLUS Acetamide, N. [2-{4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yllethyl]-2-hydroxy- (9CI) (CA INDEX NAME)

RN 390355-66-5 CAPLUS
CN 1,2,3-Thiadiazole-4-carboxamide,
N-[2-[4-{(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

390355-67-6 CAPLUS Acetamide, N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-(dimethylamino)- (9CI) (CA INDEX NAME)

390355-68-7 CAPLUS Acetamide, 2-cyano-N-[2-[4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl}- (9CI) (CA INDEX NAME)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) 390355-69-8 CAPLUS Benzamide, N-[2-[4-[4],5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-2-fluoro- (9CI) (CA INDEX NAME)

390355-70-1 CAPLUS
Imidodicarbonic acid, [4-[(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl)methyl phenyl ester (9CI) (CA INDEX NAME)

390355-71-2 CAPLUS

RN 390355-71-2 CAPLUS
CN Benzamide,
N-[[[2-[4-[3,5-dichlorophenyl]methyl]-3,5-diethyl-1H-pyrazol-1yl]ethyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS

390355-72-3 CAPLUS
Urea, N-{2-{4-{(3,5-dichlorophenyl)methyl]-3,5-diethyl-1H-pyrazol-1-yl]ethyl]-N'-propyl- (9C1) (CA INDEX NAME)

390355-73-4 CAPLUS

NY SOURCE CONTROL OF THE CONTROL OF

L4 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

390356-22-6P, 4-(3,5-Dichlorobenzyl)-1-(2-hydroxyethyl)-5-methyl-1H-pyrazole-3-carboxylic acid 390356-29-3P, [1-[2-([tert-Butyldimethylsilyl]0xy]ethyl]-3,5-diethyl-1H-pyrazol-4-yl](3,5-dichlorophenyl)methanol 390356-30-6P, [1-[2-[[tert-Butyldimethylsilyl]0xy]ethyl]-3,5-diethyl-1H-pyrazol-4-yl](3,5-dichlorophenyl)methanone 390356-31-7P, 1-[2-[[tert-

Butyldimethylsily]oxy]ethyl]-4-[(3,5-dichlorophenyl)(methoxy)methyl]-3,5-dichlyl-1H-pyrazole
RL: RCT (Reactant): SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; prepn. of pyrazole derivs. as reverse transcriptase inhibitors for the treatment of HIV infection and AIDS)
RN 390356-22-6 CAPLUS
NH-Pyrazole-3-careboxylic acid, 4-[(3,5-dichlorophenyl)methyl]-1-(2-hydroxyethyl)-5-methyl- (9CI) (CA INDEX NAME)

390356-29-3 CAPLUS
1H-Pyrazole-4-methanol, .alpha.-(3,5-dichlorophenyl)-1-[2-[[(1,1-dimethylethyl)dimethylsilyl]oxy]ethyl]-3,5-diethyl- (9CI) (CA INDEX

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 390355-74-5 CAPLUS
CN 5-Pyrimidinesulfonamide,
N-[2-[4-[4],5-dichlorophenyl]methyl]-3,5-diethylH-pyrazol-1-yl]ethyl]-1,2,3,4-tetrahydro-2,4-dioxo- (9CI) (CA INDEX NAME)

390355-84-7 CAPLUS
1H-Pyrazole-5-carboxylic acid, 4-[(3,5-dichlorophenyl)methyl]-1-(2-hydroxyethyl)-3-methyl-, ethyl ester (9CI) (CA INDEX NAME)

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS

390356-30-6 CAPLUS

39036-30-6 CAPLOS Methanone,
-dichlorophenyl) {1-{2-{{(1,1-dimethylethyl)dimethylsilyl]ox y|ethyl}-3,5-diethyl-1H-pyrazol-4-yl}- (9CI) (CA INDEX NAME)

390356-31-7 CAPLUS IH-Pyrazole, 4-([3,5-dichlorophenyl)methoxymethyl]-1-[2-[[(1,1-dimethylethyl)dimethylsilyl)oxy]ethyl]-3,5-diethyl- (9CI) (CA INDEX

ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS

REFERENCE COUNT:

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

methods for use and identification thereof Pillarisetti, Sivaram; Goldberg, Itzhak D. North Shore-Long Island Jewish Health System, USA PCT Int. Appl., 107 pp. CODEN: PIXXD2 Patent INVENTOR(S): PATENT ASSIGNEE(S): SOURCE: DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: MO 2002002593 A2 20020110 MO 2001-US20849 20010629
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, NM, MM, MX, MZ, ND, NCZ, PL, FT, RC, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
RN: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, AU 2001077854 AS 20020114

PRIORITY APPLN. INFO:

THER CRUMCAL PATENT NO. KIND DATE APPLICATION NO. DATE AU 2001-77854 20010629 US 2000-606628 A2 20000629 WO 2001-US20849 W 20010629 TR SOURCE(S): MARPAT 136:79802

The invention is directed to small org. mols. and peptides having the ability to maimic or agonize hepatocyte growth factor/ scatter factor (HGF/SF) activity, or inhibit or antagonize HGF/SF activity, the former useful for promoting, for example, vascularization of tissues or organs for promoting wound or tissue healing, or augmenting or restoring blood flow to ischemic tissues such as the heart following myocardial infarction. Inhibition of cellular growth or proliferation is beneficial in the treatment, for example, of inflammatory diseases such as inflammatory joint and skin diseases, and dysproliferative diseases such as cancer.

261149-35-3 287352-92-3 387352-93-4
387352-94-5 387352-96-3 387352-96-7
387353-06-6 387353-01-7
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
[peptide and small-mol. modulators of cellular proliferation and angiogenesis)
261349-35-3 CAPLUS
1H-Pyrazole, 4-[(2-chloro-6-fluorophenyl)methyl]-3,5-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME) OTHER SOURCE(S): MARPAT 136:79802

L4 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:31482 CAPLUS
DOCUMENT NUMBER: 136:79802
TITLE: Modulators of cellular proliferation and

angiogenesis,

ANSWER 3 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

387352-92-3 CAPLUS
1H-Pyrazole, 4-[{2,6-dichlorophenyl}]-1-[{3-(2,6-dichlorophenyl})-5-methyl-4-isoxazolyl]carbonyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

387352-93-4 CAPLUS 1H-Pyrazole, 4-[(2-chloro-6-fluorophenyl)methyl]-1-[[3-(2,6-dichlorophenyl)-5-methyl-4-isoxazolyl]carbonyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

387352-94-5 CAPLUS
1H-Pyrazole, 4-{(2-chloro-6-fluorophenyl)methyl]-1-{(3,4-dichlorophenyl)sulfonyl}-3,5-dimethyl- {9CI} (CA INDEX NAME)

ANSWER 3 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

387352-95-6 CAPLUS 1H-Pyrazole, 4-[(2-chloro-6-fluorophenyl)methyl]-1,3,5-trimethyl- (9CI) (CA INDEX NAME)

CAPLUS
4-[(2-chloro-6-fluorophenyl)methyl]-3,5-dimethyl- (9CI) (CA

RN 387352-97-8 CAPLUS
CN 1H-Pyrazole-1-propanenitrile,
4-[(2,6-dichlorophenyl)methyl]-3,5-dimethyl(9C1) (CA INDEX NAME)

L4 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

387352-98-9 CAPLUS
1H-Pyrozole, 4-[(2-chloro-6-fluorophenyl)methyl]-1-(2,6-dichlorobenzoyl)-3,5-dimethyl-(9C1) (CA INDEX NAME)

387352-99-0 CAPLUS
1H-Pyrazole, 4-(2-chloro-6-fluorophenyl)methyl]-1-(2,2-dimethyl-1-oxopropyl)-3,5-dimethyl- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

387353-00-6 CAPLUS
1H-Pyrazole, 1-(4-chlorobenzoyl)-4-[(2-chloro-6-fluorophenyl)methyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

387353-01-7 CAPLUS
1H-Pyrazole, 4-[(2-chloro-6-fluorophenyl)methyl]-3,5-dimethyl-1-(2-thienylcarbonyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

L4 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:618103 CAPLUS
DOCUMENT NUMBER: 127:278193
TITLE: Preparation of azolobenzazepines as neurologically active agents
Brueh, Kelly Anne; Chapdelaine, Marc Jerome; Frazee, William Jackson; Garcia-Davenport, Laura Enid; Lewis, Joseph James
Zeneca Ltd., UK, Brush, Kelly Anne; Chapdelaine, Marc Jerome; Frazee, William Jackson; Garcia-Davenport, Laura Enid; Lewis, Joseph James
SOURCE: Prazee, William Jackson; Garcia-Davenport, Laura Enid; Lewis, Joseph James
PCT Int. Appl., 80 pp.
COOEN: PIXXD2
Patent INFORMATION:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

							DATE											
							1997											
*																		
		W :					AZ,											
							GB,											
							LU,											
							SG,						TT,	UA,	UG,	us,	υŻ,	VN,
							KG,											
		RW:					SD,											
			GR,	ΙE,	ΙT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,
							TD,											
C	CA 2247453		A.	A.	19970912 CA 1997-2247453 19970304													
A	U	9722	253		A:	1	1997	1922		A	U 19	97-2	2253		1997	0304		
							2000											
E	P	8883	50		A:	1	1999	0107		E	P 19	97-9	0532	7	1997	0304		
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IŤ,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	FI														
c	N	1224	424		A		1999	0728		С	N 19	97-1	9286	4	1997	0304		
J	Ρ	2000	5061	60	T	2	2000	0523		J	P 19	97-5	3156	2	1997	0304		
2	Α	9701	964		A		1997	0908		Z.	A 19	97-1	964		1997	0306		
U	s	6124	281		A		2000	926		U	S 19	98-1	4222	1	1998	0903		
N	Ю	9804	106		A		1998	1106		N	0 19	9B-4	106		1998	0907		
U	s	6313	290		B:	1	2001	1106		U	5 20	00-6	6826	1	2000	0922		
IORI	ΤY	APP	LN.	INFO	. :				1	US 1	996-	1352	8 P	P	1996	0308		
										WO 1	007-	2050	2	1.1	1997			

OTHER SOURCE(S): MARPAT 127:278193

ANSWER 4 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

The title compds. $\{I; X=0, S; R1-R4=H, perfluoro-lower-alkyl, halo, NO2, CN; C together with the carbon atoms to which it is attached forms a 5-membered arom, heterocycle<math>\}$, useful for the treatment of neurol. disorders such as stroke, were prepd. and formulated. Thus, reaction of

disorders such as stroke, were prepa. and formulated. Thus, reaction of disorders such as stroke, were prepa. and formulated. Thus, reaction of view propagation of the presence of conc. HCl afforded 48% II which showed ICSO of 0.064 .mu.M against [3H]-glycine binding at the N-methyl-D-aspartate receptor.

IT 19884-34-3-39 198844-35-4P 198864-36-5P 198864-46-7P 198864-47-8P 198864-45-8P 198864-45-8P 398864-47-8P 198864-45-8P RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. of azolobenzazepines as neurol. active agents)

RN 198864-34-3 CAPIUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 4-[(4-chloro-2-nitrophenyl)hydroxymethyl]-, diethyl ester (9CI) (CA INDEX NAME)

196864-35-4 CAPLUS 1H-Pyrazole-3,5-dicarboxylic acid, 4-(4-chloro-2-nitrobenzoyl)-, diethyl ester (9C1) (CA INDEX NAME)

ANSWER 4 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

196864-45-6 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4-(2-amino-4-chlorobenzoyl)-5-benzoyl-, ethyl ester (9CI) (CA INDEX NAME)

RN 196864-46-7 CAPLUS
CN 1H-Pyrazole-3-carboxylic acid,
4-((4-chloro-2-nitrophenyl)hydroxymethyl)-5(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

196864-36-5 CAPLUS IH-Pyrazole-3,5-dicarboxylic acid, 4-(2-amino-4-chlorobenzoyl)-, diethyl ester (9C1) (CA INDEX NAME)

196864-44-5 CAPLUS
1H-Pyrazole-3-carboxylic acid, 3-benzoyl-5-(4-chloro-2-nitrobenzoyl)-,
ethyl ester (9C1) (CA INDEX NAME)

ANSWER 4 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) 196864-47-8 CAPLUS 1H-Pyrazole-3-carboxylic acid, 4-(4-chloro-2-nitrobenzoyl)-5-(trifluoromethyl)-, ethyl ester (9CI) (CA INDEX NAME)

196864-50-3 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4-(2-amino-4-chlorobenzoyl)-5(trifluoromethyl)-, ethyl ester (SCI) (CA INDEX NAME)

EtO-C CF3

RN 179612-97-6 CAPLUS

L4 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:340802 CAPLUS
DOCUMENT NUMBER: 122:99346
TITLE: Synergic herbicides containing pyrazole and indandione

derivatives
INVENTOR(S): Ikeda, Osamu; Minami, Noriko
Mitaubishi Chem Ind, Japan
SOURCE: CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: JAPAN COUNT: 1
PATENT NO. KIND DATE APPLICATION NO. DATE

FAMILY ACC. NUM. COUNT: 1
PATENT NO. KIND DATE APPLICATION NO. DATE

JP 06298612 A2 19941025 JP 1993-88643 19930415
PRIORITY APPLN. INFO.. 2 19941025 JP 1993-88643 19930415
AB A synergistic herbicide esp. effective in rice paddies contains 2-12-(3-chloropheny1)-2,3-epoxypropy1)-2-ethylindan-3-dione with .gtoreq. 1 compd. selected from the group comprising 4-(2,4-dichlorobenzoy1)-1,3-dimethyl-5-phenacyloxypyrazole, and 4-(2,4-dichlorobenzoy1)-1,3-dimethyl-5-(4-methylphenacyloxypyrazole.

IT 160780-74-5 160780-76-7
RL: AGR (Agricultural use): BAC (Biological activity or effector, except adverse): BSU (Biological study, unclassified); BIOL (Biological study): USES (Uses)

(synergic herbicides contg. pyrazole and indandione derivs.)
RN 160780-74-5 CAPLUS

CN 11-indene-1,3(2H)-dione, 2-([2-(3-chlorophenyl)oxiranyl)methyl)-2-ethyl-, mixt. with 2-(4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1-pyrazol-5-yl)-1phenylethanone (9CI) (CA INDEX NAME)

CN 1
CRN 133220-30-1
CMF C20 H17 C1 03

CH₂

CM 2 CRN 81860-84-6 CMF C20 H16 C12 N2 O2 L4 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
CN 1H-Pyrazole-3-carboxylic acid, 4-(4-chlorobenzoyl)-5-(trifluoromethyl)-,
ethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 160780-76-7 CAPLUS
CN 1H-Indene-1,3(2H)-dione, 2-[[2-(3-chlorophenyl)oxiranyl]methyl]-2-ethyl-,
mixt. with 2-(4-(2,4-dichloro-3-methylbenzoyl)-1,3-dimethyl-1H-pyrazol-5yl]-1-(4-methylphenyl)ethanone (9CI) (CA INDEX NAME)

CM 1

CRN 160780-75-6 CMF C22 H20 Cl2 N2 O2

CM 2

CRN 133220-30-1 CMF C20 H17 C1 O3

ANSWER 6 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

L4 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1994:457514 CAPLUS DOCUMENT NUMBER: 121:57514 TITLE: Preparation of tetrazolinones as herbicides for use a rice paddy Goto, Toshio; Hayakawa, Hidenori; Watanabe, INVENTOR(S): Yukiyoshi; Narabu, Shinichi; Yanagi, Akihiko Nihon Bayer Agrochem K.K., Japan Eur. Pat. Appl., 17 pp. CODEN: EPXXDW Patent Englieh 1 PATENT ASSIGNEE(S): SOURCE: DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE EP 578090 EP 578090 EP 578090 EP 1

A3 19940427
B1 19961227
CH, DE, ES, FR, GB, IT, LI, NL
A2 19940719 JP 19
A1 19940113 AU 19
B2 19950713
T3 19970216
A 19940112 EP 1993-110272 19930628 EP 578090 R: BE, JP 06199818 AU 9341561 AU 661162 ES 2095524 US 5347010 CA 2099930 HU 65462 CN 1083809 CN 1034573 US 5466660 CN 1144220 JP 1992-312607 AU 1993-41561 19921029 19930628 ES 1993-110272 US 1993-86606 CA 1993-2099930 HU 1993-1977 CN 1993-108424 19930628 19930528 19930701 19930706 19930708 19940913 19940110 19940628 19940316 19970416 19951114 19940421 19960629 19920709 19921029 19930701 PRIORITY APPLN. INFO. :

OTHER SOURCE(S):

AB The title compds. I [X = Cl. Br; Y = H, Cl. Br, etc.; Rl. R2 = alkyl] are prepd. A mixt. of tetrazolinone II, potassium carbonate, and and diethylcarbamoyl chloride in acetonicrile was refluxed for 5 h to give,

ANSWER 7 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) after workup, I [X = Cl; Y = H; Rl = R2 = Et] (III). III at 0.15 g/ha gave 100% control of Cyperus. 154464-02-5 154464-03-6
RL: RCT (Reactant); RACT (Reactant or reagent) (herbicidal compn. contg.) 154464-02-5 CAPLUS Ethanone, 2-[4-[2,6-dichlorobenzoyl]-1,3-dimethyl-1H-pyrazol-5-yl]-1-phenyl- (9CI) (CA INDEX NAME) L4 ΙT

154464-03-6 CAPLUS Ethanone, 2-[4-(2,6-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-1-[4-methylphenyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26
ACCESSION NUMBER:
DOCUMENT NUMBER:
120:270383 CAPLUS
120:270383
TITLE:
(Biphenylmethyl)pyrazole angiotensin II antagonists
Ashton, Wallace T.; Chang, Linda L.; Greenlee,

J.; Hutchins, Steven M. Merck and Co., Inc., USA U.S., 30 pp. CODEN: USXXAM Patent PATENT ASSIGNEE(S): SOURCE: DOCUMENT TYPE:

LANGUAGE: English FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

US 5262412 A 19931116
PRIORITY APPLN. INFO:
OTHER SOURCE(S): MARPAT 120 C PATENT NO. APPLICATION NO. DATE US 1993-28845 19930310 US 1993-28845 MARPAT 120:270383

The title compds. [I; R1 = SO2NHCOR23, SO2NHCO2R24; R23 = aryl, heteroaryl, (un)branched (un)substituted C1-6 alkyl, C3-6 alkenyl, etc.; R24 = (un)branched (un)substituted C1-6 alkyl, C3-6 alkenyl, C3-6

alkynyl, aryl, (un)substituted C3-7 cycloalkyl; R2, R3 = H, F, Cl, CF3, C1-4

alkyl; R4 = H, F; R5 = H, F, Cl, CF3, Cl-4 alkyl; R6 = Cl-6 alkyl; R8 = H, F, cı,

Br, iodo, OH, C1-4 alkoxy, (un)substituted NH2, CN, etc.; V1 = CH3, CF3, C1 iodo, F, OMe, NO2, CN; V2 = amine- or carbonyl- or S-based substituent

tituent at ring position 4 or 5], which are angiotensin II antagonists (no data), useful in the treatment of hypertension and related cardiovascular disorders (no data), are prepd. and I-contg. formulations presented. Thus, Et 3-n-butyl-4-[[2-\N-(2-chlorobenzoyl)sulfamoyl]biphenyl-4-yl]methyl]-1-[2-chloro-5-(valerylamino)phenyl]-1H-pyrazole-5-carboxylate was prepd. from Et 2.4-dioxoocotanoate in 10 steps. 154056-98-1 154057-09-7 154057-12-2

Kamal Saeed

ΙT

ANSHER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
154057-24-6 154057-35-9 154057-36-0
154057-37-1 154057-38-2 154057-39-3
154057-40-6 154057-41-7 154057-42-8
154057-43-9 154057-44-0 154057-43-1
154057-46-2 154057-47-1 154057-48-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(angiotensin II antagonist)
154056-98-1 CAPLUS
Benzamide, N-[4'-[(3-butyl-1-[2-chloro-5-[(1-oxopropyl)amino]phenyl]-5cyano-IH-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2chloro- (9CI) (CA INDEX NAME)

154057-09-7 CAPLUS Benzamide, N-[[4'-[[3-butyl-1-[2-chloro-5-[(1-oxopentyl)amino]phenyl]-5-cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-chloro-[9C1) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS

(Continued)

RN 154057-12-2 CAPLUS
CN Benzamide,
N-butyl-3-{3-butyl-4-{[2'-[[(2-chlorobenzoyl)amino]sulfonyl]-3-fluoro[1,1'-biphenyl]-4-yl]methyl]-5-cyano-1H-pyrazol-1-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS

154057-24-6 CAPLUS
Benzamide, N-[{4'-[[3-butyl-5-cyano-1-[5-[(methoxyacetyl)amino]-2-

 $\begin{array}{ll} (trifluoromethyl) phenyl \} - 1 \\ H - pyrazol - 4 - yl \} \\ methyl \} - 3 \\ ' - fluoro \{1,1' - biphenyl \} - 2 \\ - yl \} \\ eulfonyl \} - 2 \\ - chloro- (9CI) & (CA INDEX NAME) \end{array}$

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ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)
Benzamide, N-[{4'-[[3-butyl-5-cyano-1-[5-[(1-oxopropyl)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]2-yl]sulfonyl]-2-chloro- (9CI) (CA INDEX NAME)

154057-36-0 CAPLUS Benzamide, N-{[4'-[[3-butyl-5-cyano-1-[5-[(ethoxyacetyl)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]2-yl]sulfonyl]-2-chloro- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-37-1 CAPLUS Benzamide, N-[[4'-{[3-buty1-5-cyano-1-[5-[(methoxyacetyl)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]2-yl]sulfonyl]-2-fluoro- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-38-2 CAPLUS Benzamide, N-[[4'-[[3-butyl-5-cyano-1-[5-[(ethoxyacetyl)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]2-yl]sulfonyl]-2-fluoro- (9CI) (CA INDEX NAME)

ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-39-3 CAPLUS Benzamide, N-butyl-3-[3-butyl-5-cyano-4-[[3-fluoro-2'-[[(2-

fluorobenzoyl)amino]sulfonyl][1,1'-biphenyl]-4-yl]methyl]-1H-pyrazol-1-yl]4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

154057-40-6 CAPLUS Benzamide, N-[[4'-[[5-cyano-1-[5-[(methoxyacety1)amino]-2-

ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS (Continued) (trifluoromethyl)phenyl]-3-propyl-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-fluoro- (9CI) (CA INDEX NAME)

154057-41-7 CAPLUS
Benzamide, N-[[4'-[[5-cyano-1-[5-[(ethoxyacetyl)amino]-2-(trifluoromethyl)phenyl]-3-propyl-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-fluoro- (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-38-2 CAPLUS
Benzamide, N-[[4'-[[3-butyl-5-cyano-1-[5-[(ethoxyacetyl)amino]-2-

 $\label{lem:condition} $$ (trifluoromethyl)phenyl}-1H-pyrazol-4-yl]methyl}-3'-fluoro\{1,1'-biphenyl}-2-yl]sulfonyl}-2-fluoro- (9Cl) (CA INDEX NAME)$

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-39-3 CAPLUS
Benzamide, N-butyl-3-[3-butyl-5-cyano-4-[3-fluoro-2'-[[(2-

fluorobenzoyl)amino|sulfonyl|[1,1'-biphenyl]-4-yl]methyl]-1H-pyrazol-1-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-40-6 CAPLUS
Benzamide, N-[[4'-[[5-cyano-1-[5-[(methoxyacetyl)amino]-2-(trifluoromethyl)phenyl]-3-propyl-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-fluoro-(9CI) (CA INDEX NAME)

154057-41-7 CAPLUS
Benzamide, N-{{4'-{{5-cyano-1-{5-{(ethoxyacetyl)amino}-2-(trifluoromethyl)phenyl}-3-propyl-1H-pyrazol-4-yl]methyl}-3'-fluoro{1,1'-

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) biphenyl]-2-yl]sulfonyl]-2-fluoro- (9CI) (CA INDEX NAME)

RN 154057-42-8 CAPLUS
CN Benzamide,
N-butyl-4-chloro-3-[4-[[2'-[[(2-chlorobenzoyl)amino]sulfonyl]-3fluoro[1,1'-biphenyl]-4-yl]methyl]-5-cyano-3-propyl-1H-pyrazol-1-yl](9CI) (CA INDEX NAME)

L8 . ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-43-9 CAPLUS
Benzamide, N-butyl-4-chloro-3-[5-cyano-4-{[3-fluoro-2'-[{2-fluorobenzoyl)amino]sulfonyl][1,1'-biphenyl]-4-yl]methyl]-3-propyl-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

154057-44-0 CAPLUS

Benzamide, N-butyl-3-[4-[[2'-[[(2-chlorobenzoyl)amino]sulfonyl]-3-fluoro[1,1'-biphenyl]-4-yl]methyl]-5-cyano-3-propyl-1H-pyrazol-1-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-45-1 CAPLUS
Benzamide, N-butyl-3-[5-cyano-4-[3-fluoro-2'-[{2-fluorobersoyl)amino}aulfonyl][1,1'-biphenyl]-4-yl]methyl]-3-propyl-1H-pyrazol-1-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 154057-46-2 CAPLUS
CN Benzamide,
N-{[4'-[[1-[5-(acetylamino)-2-chloropheny1]-3-buty1-5-cyano-1Hpyrazo1-4-y1]methy1]-3'-fluoro-5-propy1[1,1'-bipheny1]-2-y1}sulfony1]-2fluoro- (9C1) (CA INDEX NAME)

154057-47-3 CAPLUS
Carbamic acid, [[4'-[[1-[5-(acetylamino)-2-chlorophenyl]-3-butyl-5-cyano-

1H-pyrazol-4-yl]methyl]-3'-fluoro-5-propyl[1,1'-biphenyl]-2-yl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154056-98-1 154057-09-7 154057-10-0 154057-11-1 154057-12-2 154057-24-6 154057-20-2 RL: RCT (Reactant); RACT (Reactant or reagent)

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) (prepn. as angiotenein II antagoniat) 154055-98-1 CAPLUS Benzamide, N-[(4'-[[3-butyl-1-(2-chloro-5-[(1-oxopropyl)amino]phenyl]-5-cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-chloro- (9CI) (CA INDEX NAME)

 $\label{local-property} $$154057-09-7$ CAPLUS $$Benzamide, N-{(4'-{(3-butyl-1-{2-chloro-5-{(1-oxopentyl)aminolphenyl}-5-cyano-1H-pytazol-4-yl]methyl}-3'-fluoro{1,1'-biphenyl}-2-yl]sulfonyl}-2-chloro-(9CI) (CA INDEX NAME)$

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 154057-10-0 CAPLUS
CN Carbamic acid,
[[4'-[3-butyl-1-[2-chloro-5-[(1-oxopropyl)amino]phenyl]-5cyano-1H-pyrazol-4-yl]methyl}-3'-fluoro[1,1'-bipnenyl]-2-yl]sulfonyl]-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 154057-11-1 CAPLUS
CN Carbamic acid,
[[4'-[[3-butyl-1-[2-chloro-5-[(1-oxopropy1)amino]phenyl]-5cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-,
butyl ester (9CI) (CA INDEX NAME)

RN 154057-12-2 CAPLUS CN Benzamide, N-butyl-3-[3-butyl-4-{[2'-{[(2-chlorobenzoy1)amino]sulfonyl]-3-

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) fluoro[1,1'-biphenyl]-4-yl]methyl]-5-cyano-1H-pyrazol-1-yl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

154057-24-6 CAPLUS
Benzamide, N-[[4'-[[3-butyl-5-cyano-1-[5-[(methoxyacetyl)amino]-2-

(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl}-3'-fluoro{1,1'-biphenyl}2-yl]sulfonyl)-2-chloro- (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 154057-30-4 CAPLUS
CN Acetamide, N-[3-[3-butyl-5-cyano-4-[3-fluoro-2'-[[2-fluorophenyl]amino]sulfonyl]-5'-propyl[1,1'-biphenyl]-4-yl]methyl]-1H-pyrazol-1-yl]-4-chlorophenyl]- (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) butyl-1-(2-chloro-5-nitrophenyl)- (9CI) (CA INDEX NAME)

RN 154057-03-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide,
4-{(4-brome-2-fluorophenyl)methyl}-3-butyl-1-(2-chloro-5-nitrophenyl)- (9CI) (CA INDEX NAME)

RN 154057-04-2 CAPLUS
CN 1H-Pyrazole-5-carbonitrile, 4-[(4-bromo-2-fluorophenyl)methyl]-3-butyl-1{2-chloro-5-nitrophenyl}- {9Cl} (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

IT 154057-00-8 154057-01-9 154057-02-0

154057-03-1 154057-01-2 154057-05-3

154057-06-4 154057-02-5 154057-03-6

154057-21-4 154057-23-5 154057-23-7

154057-21-6 154057-23-7 154057-23-1

154057-32-6 154057-33-7 154057-34-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. as intermediate in prepn. of (biphenylmethyl)pyrazole
angiotensin II antagonists)

RN 154057-00-8 CAPLUS

CN 1H-Pyrazole-5-carboxylic acid,
4-{(4-bromo-2-fluorophenyl)methyl]-3-butyl
1-(2-chloro-5-nitrophenyl)-, ethyl ester (9CI) (CA INDEX NAME)

RN 154057-01-9 CAPLUS

CN 1H-Pyrazole-5-carboxylic acid,
4-{(4-bromo-2-fluorophenyl)methyl]-3-butyl
1-(2-chloro-5-nitrophenyl) (CA INDEX NAME)

n-Bu Ch₂ Co₂H NO₂

RN 154057-02-0 CAPLUS CN 1H-Pyrazole-5-carbonyl chloride, 4-[(4-bromo-2-fluorophenyl)methyl]-3-

LB ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 154057-05-3 CAPLUS
CN 1H-Pyrazole-5-carbonitrile, 1-(5-amino-2-chlorophenyl)-4-[(4-bromo-2-fluorophenyl)methyl]-3-butyl- (9CI) (CA INDEX NAME)

RN 154057-06-4 CAPLUS
CN Propanamide, N-[3-[4-[(4-bromo-2-fluorophenyl)methyl]-3-butyl-5-cyano-1H-pyrazol-1-yl]-4-chlorophenyl]- (9CI) (CA INDEX NAME)

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

154057-07-5 CAPLUS
Propanamide, N-[3-[3-butyl-5-cyano-4-[[2'-[[(1,1-dimethyl=1chyl])amino]sulfonyl]-3-fluoro[1,1'-biphenyl]-4-yl]methyl]-1H-pyrazol-1-yl]-4-chlorophenyl]- (9CI) (CA INDEX NAME)

154057-08-6 CAPLUS Propanamide, N-[3-(4-([2]-(aminosulfonyl)-3-fluoro[1,1]-biphenyl]-4-yl]methyl]-3-butyl-5-cyano-lH-pyrazol-1-yl]-4-chlorophenyl]- (9CI) (CA INDEX NAME)

154057-22-4 CAPLUS Benzoic acid, 3-(4-([2]-(aminosulfonyl)-3-fluoro[1,1]-biphenyl]-4-yl]methyl]-3-butyl-5-cyano-1H-pyrazol-1-yl]-4-(trifluoromethyl)-, ethylester (9CI) (CA INDEX NAME)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

L8 ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
RN 154057-23-5 CAPLUS
CN Benzamide,
3-[4-[[2'-(aminosulfonyl)-3-fluoro[1,1'-biphenyl]-4-yl]methyl]3-butyl-5-cyano-1H-pyrazol-1-yl]-N-butyl-4-(trifluoromethyl)- (9CI) (CA
INDEX NAME)

154057-25-7 CAPLUS [[1,1'-Bipheny]]-2-sulfonamide, 4'-{[1-(2-bromo-5-nitropheny])-3-butyl-5-cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro- (9C1) (CA INDEX NAME)

154057-27-9 CAPLUS

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) [1,1"-Biphenyl]-2-sulfonamide, 4'-[(3-butyl-5-cyano-1-[5-nitro-2-(trifluoromethyl)phenyl]-1H-pyrazol-4-yl]methyl]-3'-fluoro- (9CI) (CA INDEX NAME)

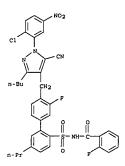
RN 154057-28-0 CAPLUS
CN Benzamide,
N-[[4'-[[3-butyl-5-cyano-1-[5-nitro-2-(trifluoromethyl)phenyl]H-Pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-chloro(9CI) (CA INDEX NAME)

154057-29-1 CAPLUS Benzamide, '-'-[[1-[5-amino-2-(trifluoromethyl)phenyl]-3-butyl-5-cyano-Kamal Saeed

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) 1H-pyrazol-4-yl]methyl]-3'-fluoro[1,1'-biphenyl]-2-yl]sulfonyl]-2-chloro-(9C1) (CA INDEX NAME)

154057-32-6 CAPLUS
[1,1'-Biphenyl]-2-sulfonamide, 4'-[[3-butyl-1-(2-chloro-5-nitrophenyl)-5-cyano-1H-pyrazol-4-yl]methyl]-3'-fluoro-5-propyl- (9CI) (CA INDEX NAME)

ANSWER 12 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 154057-34-8 CAPLUS

Benzamide,
N-[[4'-[[1-(5-amino-2-chlorophenyl)-3-butyl-5-cyano-1H-pyrazol4-yl]methyl]-3'-fluoro-5-propyl[1,1'-biphenyl]-2-yl]sulfonyl]-2-fluoro(9CI) (CA INDEX NAME)

L8 ANSWER 13 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:191713 CAPLUS
DOCUMENT NUMBER: 120:191713 CAPLUS
TITLE: Puranone intermediates in pharmaceutical pyrazole preparation
Mateon, Stephen Paul
GlaXO Group Ltd., UK
Brit. UK Pat. Appl., 30 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent DOCUMENT TYPE: Patent LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: English

PATENT NO. KIND DATE APPLICATION NO. DATE GB 2265900
PRIORITY APPLN. INFO.:
OTHER SOURCE(S):
GI A1 19931013 19930407 19920407

AB Title compds. I (R1 = H. C1-6 alkyl, C2-6 alkenyl; R2a = H. C1-6 alkyl, C3-7 cycloalkyl, C3-7 cycloalkyl-C1-4 alkyl, C3-6 alkenyl F-C1-6 alkyl, F-C3-6 alkenyl; X = H. halo, R4C6H4 wherein R4 = H2N. NC, protectant of C02H or NH2, optionally protected C-linked tetrazolyl) useful for prepn. of pharmaceuticals (no data), are prepd 2-Hexane was added to 1-[1,1-(dimethylethyl)dimethylsilyl)oxyacetate (prepn. given) to give 1-[1,1-(dimethylethyl)dimethylsilyl)oxyacetate (prepn. given) to give the 1-(1-1-commomethyl) (1,1-biphenyl)-2-1-2-(triphenylmethyl)-2H-tetrazole to give the tetrazole deriv. which was treated with Bu4NF-to give the desilylated furanone deriv. which was treated with Bu4NF-to give the displayed give the title compd. II.

IT 13335-84-39
RL: BBC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SFN (Synthetic preparation). THU (Theregards user)

logical study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of. as pharmaceutical) 153159-84-3 CAPLUS | TH-Pyrazole-5-methanol, 3-butyl-4-[(4-iodophenyl)methyl]-1-methyl-(CA INDEX NAME)

L8 ANSWER 13 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

ANSWER 14 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
144059-58-59 144059-59-69 144059-60-9P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as agrochem. fungicide)
144059-52-9 CAPLUS
2-Pyridinemethanol, .alpha.-[4-[(4-chlorophenyl)thio]-1,3-dimethyl-1Hpyrazol-5-yl]- (9CI) (CA INDEX NAME)

144059-53-0 CAPLUS 2-Pyridinemethanol, ha.:[4-[(2,4-dichlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]- (9CI) (CA INDEX NAME)

144059-54-1 CAPLUS
2-Pyridinemethanol, .alpha.-[4-[(3-fluoro-4-methylphenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]- (9CI) (CA INDEX NAME)

L8 ANSWER 14 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1992:612492 CAPLUS
DOCUMENT NUMBER: 117:212492
ITITLE: 2003 ACS
117:212492 CAPLUS
117:212492
Preparation of substituted pyrazole derivatives as agrohorticultural fungicides
NAKajima, Yasuyuki; Watanabe, Junichi; Hirohara, Yohji; Mita, Takeshi
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent DOCUMENT TYPE: Patent LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: OTHER SOURCE(S):

AB The title compds. [I; R1 = H, halo, alkyl, alkoxy, alkylthio, haloalkyl; R2 = H, alkyl, haloalkyl, (substituted) phenylalkyl, etc.; X = S, SO, S(O)2, (substituted) mino, CO, (substituted) methylene; Y = O, S, SO, S(O)2; A = (substituted) Ph, (substituted) heterocyclyl; B = (substituted) heterocyclyl] are prepd. 4-(4-Chlorophenylthio)-1,3-dimethyl-5-mercapto-1H-pyrazole was heated with 2-chloropyrimidine at 120.degree. for 1.5 h

give 4-(4-chlorophenylthio)-1,3-dimethyl-5-(2-pyrimidylthio)-1H-pyrazole. I were effective at the concn. of 0.005-50 kg/ha. Formulations including emulsions, aq. lotions, and oil-based prepns. are described. 144059-52-39 144059-53-0P 144059-54-1P 144059-57-4P

ANSWER 14 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

144059-55-2 CAPLUS
Pyridine, 2-[[4-(d-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5yllmethoxymethyl]- (9CI) (CA INDEX NAME)

144059-56-3 CAPLUS 2-Pyridinemethanol, .alpha.-[4-((4-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]-, acetate (ester) (SCI) (CA INDEX NAME)

ANSWER 14 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

144059-57-4 CAPLUS
Pyridine, 2-[(4-[(4-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]fluoromethyll- (9CI) (CA INDEX NAME)

144059-58-5 CAPLUS Mcthanone, [4-[(4-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]-2-pyridinyl-(9CI) (CA INDEX NAME)

ANSWER 14 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

ANSWER 14 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

144059-59-6 CAPLUS
2-Pyridinemethanol, .alpha.-[4-([4-chlorophenyl)thio]-1,3-dimethyl-lHpyrazol-5-yl]-.alpha.-methyl-(SCI) (CA INDEX NAME)

144059-60-9 CAPLUS 2-Pyridinemethanol, .alpha.-[4-[(4-chlorophenyl)thio]-1,3-dimethyl-1H-pyrazol-5-yl]-.alpha.-(1-methylethyl)- (9CI) (CA INDEX NAME)

L8 ANSWER 15 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1990:459122 CAPLUS
DOCUMENT NUMBER: 13:155122
Synthesis of 5-(4-pyrazolyl and 4-isoxazolyl)-1,3dihydro-2H-1,4-benzodiszepin-2-ones
Kurihara, Takushi; Sasaki, Jun; Santo, Kazunori;
Nakamura, Yutaka; Yoneda, Ryuji; Harusawa, Shinya
Osaka Univ. Pharm. Sci. Matsubara, S80, Japan
Heterocycles (1989), 29(10), 2007-21
CODEN: HTCVAM; ISSN: 0385-5414
Journal
LANGUAGE:
OTHER SOURCE(S): CASREACT 113:59122

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Reactions of pyrazolylanthranil I (X = NMe, R = Cl) with PhZnCl in the presence of nickel acetylacetonate gave anilinobenzoylpyrazole II (Rl = Ph, R2 = H). Isoxazolylanthranil I (X = 0, R = Cl) under the same conditions gave a mixt of II (Rl = Ph, R2 = H) and quinolone III. II (X = 0, NMe; R = Cl, Rl = Ph, R2 = H) were converted to II (R2 = COCH2N3), which were cyclized with PPh3 to benzodiazepinones IV (X = 0, NMe, R = ...)

R1 = Ph) Via an aza-hitting reaction. Treating azido deriv. II (X = NAc, R = R1 = H, R2 = COCH2N3) with PPh3 gave II (R2 = COCH2N:PPh3), which cyclized in refluxing toluene to give IV (X = NAc, R = C1, R1 = H). In contrast, the phosphinimine V (R3 = N:PPh3) prepd. from azide V (R3 = N3) failed to cyclize under the same conditions.

127889-75-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and condensation reaction of, with sodium azide)
127899-75-2 CAPLUS
Acetamide, N-[4-chloro-2-[(1,3,5-trimethyl-1H-pyrazol-4-yl)carbonyl]phenyl]-2-iodo-N-phenyl- (9CI) (CA INDEX NAME)

127889-74-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

ANSWER 15 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

(Reactant Or reagent)
((Reactant Or reagent)

127889-90-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of, benzodiazepine deriv. from)
127899-90-1 CAPLUS
Acctamide, N-[2-[(1-acetyl-3,5-dimethyl-1H-pyrazol-4-yl)carbonyl]-4-chlorophenyl]-2-[(triphenylphosphoranylidene)amino]- (9CI) (CA INDEX NAME)

14/889-76-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of, with triphenylphosphine, benzodiazepine deriv. from)
127889-76-3 CAPLUS

ANSWER 15 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
Acetamide, 2-azido-N-{4-chloro-2-{(1,3,5-trimethyl-1H-pyrazol-4-yl)carbonyl]phenyl}-N-phenyl- (9CI) (CA INDEX NAME)

127889-73-0P

(Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and N-acylation of, with chloroacetyl chloride) 127889-73-0 CAPLUS

127889-73-0 CAPLUS ALTHOUGH (1,3,5-trimethyl-1H-pyrazol-4-yl) (CA INDEX NAME)

ANSWER 16 OF 32 CAPLUS COPYRIGHT 2003 ACS SSION NUMBER: 1989:423322 CAPLUS HENT NUMBER: 111:23322 E: Five-membered 2,3-dioxo heterocycles. VIII.

ACCESSION NUMBER: DOCUMENT NUMBER: TITLE: Reaction

of 1-aryl-4-aroyl-5-methoxycarbonyl-2,3-dihydro-2,3-pyrrolediones with secondary aliphatic amines Maslivets, A. N.; Smirnova, L. I.; Andreichikov, Yu.

AUTHOR(S):

Perm. Gos. Farm. Inat., Perm, USSR Zhurnal Organicheskoi Khimii (1988), 24(10), 2205-12 CODEN: ZORKAE; ISSN: 0514-7492 Journal

CORPORATE SOURCE:

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GI

p-RC6H4CQ

Russian CASREACT 111:23322

p-RC6H4CQ

CONR2 p-RC6H4C C6H4R1-p NHC6H4R1-D II MeO₂C

MeO₂C =0 -0 C6H4R1-p C6H4Rl-p IV III

ONHC6H4R1-p p-RC6H4CO CONR MeO2C

Interaction of 5-methoxycarbonyl-2,3-dihydropyrrole-2,3-diones I (R $\scriptstyle \bullet$ AB MeO,

Me, H, Cl, Br, NO2, R1 = H; R = H, R1 = Me) with R22NH(R2 = PhCH2, Et,

R22N = morpholino, piperidinol led to (2)-3-pentenedioic acid derivs. II

(same R's) and S-methoxycarbonyl-3-hydroxy-2,5-dihydro-2-pyrrolones III

(same R's). Factors influencing the yield ratio of II to III were

studied. Acid hydrolysis of II and III gave 3,5-dihydroxy-2,5-dihydro-2pyrrolones IV (same R's) while hydrazinolysis gave pyrazolecarboxamides V
and pyrazolecarboxamilides VI.

121275-82-9P

RL: SPN (Synthetic preparation): PREP (Preparation)

(prepn. of, via hydrazinolysis of oxopentenedioic acid and
dihydropyrrolone derivs.)

121275-82-9 CAPLUS

11-Pyrazole-3-carboxylic acid, 4-(4-chlorobenzoyl)-5-(4morpholinylcarbonyl)-, methyl ester (9CI) (CA INDEX NAME)

ANSWER 16 OF 32 CAPLUS COPYRIGHT 2003 ACS

ANSWER 17 OF 32 CAPLUS COPYRIGHT 2003 ACS SSION NUMBER: 1987:636702 CAPLUS ACCESSION NUMBER: DOCUMENT NUMBER: TITLE: 107:236702 Preparation of pyrrole- and pyrazolecarboxylates as cardiotonics and calcium agonists
Baxter, Andrew John Gilby; Dixon, John; Ince, INVENTOR(S):

Springthorpe, Brian; Tinker, Alan Charles
Fisons PLC, UK
EUr. Pat. Appl., 76 pp.
CODEN: EPXXDW
Patent
English PATENT ASSIGNEE(S): SOURCE:

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

EP 230110 Al 19870729 EP 1986-309235 19861126

R: AT. BE, CH, DE, ES. FR, GB, GR, IT, LI, LU, NL, SE

JP 62181251 A2 19870808 JP 1986-22187 19861128

PRIORITY APPLN. INFO: GB 1985-29557 19851130

GB 1985-29556 19851130

GB 1985-29564 19851130

GB 1985-29564 19851130

GB 1986-10218 19860128

GB 1986-10218 19860702

GB 1986-16100 19860702

GB 1986-16101 19860702

GB 1986-16101 19860702

GB 1986-16101 19860702

GB 1986-16101 19860702

GB 1986-16103 19860702

GI

The title compds. [I; R1 = H, alkyl; R3 = CH2NR5R6, COR7, NO2, cyano, halo; R4 = HBXR; H = (un)substituted Ph, naphthyl, benzofurazanyl; B = bond, alkylene; R5, R6 = H, (un)substituted alkyl, Ph; R7 = H, NR5R6, alkyl, OH, alkoxy; X = O, S, SO, SO2, C:NOH; Y, Z = CH, CR2, CCO2R, N; R = alkyl; R2 = (un)substituted alkyl; n = 0, 1] were prepd. as cardiotonics and calcium agonists no data). Dimethylpyrrolecarboxylate I (R1 = R4 =

Н, R3 = CO2Me, Y = Z = CMe) (2.78 g) in CH2Cl2 were added to AlCl3/CH2Cl2 at 0.degree. followed by 3.50 g 2-ClC6H4COCl and the mixt. atirred 17 h to give 3.75 g 1 (R1 = H, R3 = CO2Me, R4 = 2-ClC4H4CO, Y = Z = CMe). ll1595-86-99 111619-14-0P

L8 ANSWER 18 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1987:402698 CAPLUS
DOCUMENT NUMBER: 107:2698
ITITLE: containing thiolcarbamates and phosphonochioates
Gray, Reed A.; Hyazk, Daniel L.
STAUTH ASSIGNEE(S): Stauffer Chemical Co., USA
U.S., 9 pp. Cont.-in-part of U.S. Ser. N. 496,781, abandoned.
CODEN: USXXXAM
DOCUMENT TYPE: Patent

DOCUMENT TYPE: Patent

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: English

PATENT NO. KIND DATE APPLICATION NO. DATE US 4648894 PRIORITY APPLN. INFO.: 19840912 19800627 19820317 19830520 US 1984-649779 US 1980-163617 US 1982-358979 US 1983-496781 A 19870310 GI

ANSWER 17 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as cardiotonic and calcium agonist)
111595-86-9 CAPLUS
1H-Pyrazole-3-Carboxylic acid, 4-(2-chlorobenzoyl)-5-methyl-, methyl (9CI) (CA INDEX NAME)

111619-14-8 CAPLUS HH-Pyrazole-3,5-dicarboxylic acid, 4-(2-chlorobenzoyl)-, 1-ethyl 5-methyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 18 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

L8 ANSWER 19 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER:
DOCUMENT NUMBER:
1385.523404 CAPLUS
103:123404
Chemistry of heterocycles: part VIII - synthesis of isoxazolylethylpyrazoles
Reddi, K. Malla; Rao, C. Janakirama; Murthy, A. Krishna
CORPORATE SOURCE:
SOURCE:
Dep. Chem., Kakatiya Univ., Warangal, 506 009, India Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1985), 248[2), 212-13
CODEN: IJSBDB; ISSN: 0376-4699
JOURLE LANGUAGE:
OTHER SOURCE(S):
CAPLUS COPYRIGHT 2003 ACS
103:123404

CAPLUS
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CHEMICAL PROBLEM COPYRIGHT 2003 ACS
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CHEMICAL PROBLEM COPYRIGHT 2003 ACS
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CHEMICAL PROBLEM COPYRIGHT 2003 ACS
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CHEMICAL PROBLEM COPYRIGHT 2003

CAPLUS
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CHEMICAL PROBLEM COPYRIGHT 2003

CAPLUS
103:123404

CAPLUS
103:123

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GI

The base-catalyzed addn. of acetylacetons to 3-methyl-4-nitro-5styrylisoxazoles leads to the Michael adducts 3-[2-(3-methyl-4-nitro-5isoxazolyl)-1-phenylethyl)pentane-2,4-diones. Thase .beta.-dixetones
undergo cyclization with hydrazine sulfate and phenylhydrazine to furnish
pyrazoles I [R = (un)substituted Ph, R1 = H, Ph].
98239-36-37-99239-42-09 99239-43-1P
98239-46-4P 982139-47-5P 99239-53-3P
98239-46-4P 982139-01-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparent)

(prepn. of) 98239-36-2 CAPLUS

79239-38-2 CAPBUS
CN ISOXaczle,
5-[2-(2-chlorophenyl)-2-(3,5-dimethyl-1H-pyrazol-4-yl)ethyl]-3methyl-4-nitro-(9CI) (CA INDEX NAME)

ANSMER 19 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)
98239-47-5 CAPLUS
180xazole, 5-[2-(2-bromophenyl)-2-(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yl)ethyl)-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

RN 98239-53-3 CAPLUS
CN Isoxazole,
5-{2-(2,4-dichlorophenyl)-2-(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yl)ethyl}-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

98254-35-4 CAPLUS
IBOXAZOle, 5-[2-(2-bromophenyl)-2-(3,5-dimethyl-1H-pyrazol-4-yl)ethyl]-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

98735-01-4 CAPLUS

ANSWER 19 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) 98239-42-0 CAPLUS LBOXAZOLE, 5-{2-{2,4-dichloropheny1}-2-{3,5-dimethyl-1H-pyrazol-4-yl)ethyl}-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

RN CN

98239-43-1 CAPLUS
IBOXAZOLE, 5-[2-(2,6-dichlorophenyl)-2-(3,5-dimethyl-1H-pyrazol-4-yl)ethyl]-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

98239-46-4 CAPLUS IBOXBZOZOE, 5-[2-(2-chlorophenyl)-2-(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yl)ethyl)-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

L8 ANSWER 19 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) I Boxazole,
5-[2-(2,6-dichlorophenyl)-2-(3,5-dimethyl-1-phenyl-1H-pyrazol-4-yl)ethyl]-3-methyl-4-nitro- (9CI) (CA INDEX NAME)

ANSWER 20 OF 32 CAPLUS COPYRIGHT 2003 ACS
SSION NUMBER: 1985:113486 CAPLUS
NUMBER: 102:113486
E: Pyrazoles
NT ASSIGNEE(S): Sankyo Co., Ltd., Japan
Jpn. Koksi Tokkyo Koho, 10 pp.
CODEN: JKXXAF
Patent ACCESSION NUMBER: DOCUMENT NUMBER:

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE:

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE JP 59196869 JP 04020910 PRIORITY APPLN. INFO.: OTHER SOURCE(S): A2 19841108 B4 19920407 JP 1983-71242 19830422 JP 1983-71242 19830422

CASREACT 102:113486

The title compds. I (R = OXNR2R3 where X = alkylene, R2 = H, alkyl, alkenyl, arylalkyl, R3 = alkyl, alkenyl, Ph; R1 = substituted phenyl), having herbicidal activity at _gtoreq.6.55 g/a. were prepd. by condensation of I (R = halo) with HOXNR2R3. Thus, heating a mixt. of 2

HOCH2CH2NHPh, 0.01 g Na, and 1.3 g I (R = Cl, Rl = 2,4-Cl2C6H3) at 100-110.degree for 3 h under distn. of excess HOCH2CH2NHPh gave 0.92 g I (R = OCH2CH2NHPh, Rl = C6H3Cl2-2,4).
95113-05-27 95115-06-37 95115-07-4P
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
95115-05-2 CAPLUS
Methanone, [5-(2-bromoethyl)-1,3-dimethyl-1H-pyrazol-4-yl] (2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

IT

L8 ANSWER 20 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

95115-06-3 CAPLUS
Methanone, [5-(3-bromopropyl)-1,3-dimethyl-1H-pyrazol-4-yl](2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

(CH2)3-Br

95115-07-4 CAPLUS Methanone, [5-(4-bromobuty1)-1,3-dimethyl-1H-pyrazol-4-yl] (2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

ANSWER 20 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 57081401 A2 19820521 JP 1980-157843 19801110

PRIORITY APPLN. INFO.: JP 1980-157843 19801110

AB Compns. contg. S-1-ethylpropyl-N.N-hexanethylenethiolcarbamate (1)

[75013-55-7] and one or more of 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-phenacyloxypyrazole (1) [71561-11-0], 1.3-dimethyl-4-(2,4-dichlorobenzoyl)-5-phenacyloxypyrazole [71561-18-7],

1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-pivaloylmethylpyrazole [82934-46-1], and 1,3-dimethyl-4-(2,4-dichlorobenzoyl-5-ptoluenesulfonyloxypyrazole [8201-68-0] are herbicides, esp. for rice. Thus, a compn. contg. 1 and 11 (20 + 15 g/are) controlled Echinochloa crus-galli, Scirpus hotarui, Cyperus serotinus, and broad-leaf weeds in rice by 1004 in 30 days.

IT 62334-66-1

RL BIOL (Biological study)

(herbicide compn. contg., for rice)

RAS 34-46-1 CAPLUS

CN 2-Butanone, 1-(4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-3,3-dimethyl- (9CI) (CA INDEX NAME)

L8 ANSMER 22 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1982:419045 CAPLUS
DOCUMENT NUMBER: 97:19045
TITLE: PATENT ASSIGNEE(S): 1demitsus Kosan Co., Ltd., Japan
SOURCE: Japan Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: DATENT INFORMATION: 1
Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: 1

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

KIND DATE PATENT NO. APPLICATION NO. DATE A2 19820220 B4 19830307 A2 19820626 JP 57032206 JP 58012242 JP 1980-107662 19800807 JP 57102806
PRIORITY APPLN. INFO.: JP 1981-176454 JP 1980-107662

CHR1CONR2CR3R4-

A compn. contg. N-(.alpha.,.alpha.-dialkylbenzyl)phenylacetamides I (X1 and X2 = halo, C1-3 alkyl, C1-3 alkoxy, or H; R1 = C1-3 alkoxy or H; R2 = C1-3 alkyl, C2-6 alkoxyalkyl, allyl, or H; R3 and R4 = C1-4 alkyl; n = 1-3) and pyrazole derivs. is a herbicide for rice. Thus, I (X1 = 2-C1 X2 = 4-C1; n = 1; R1 and R2 = H; R3 and R4 = Me) [80487-99-6] and 4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yl-4-tolueneaulfonate [58011-58-0] (100 + 100 g/10 are) controlled Echinochloa crus-galli, Cyperus microiria, Scirpus hotarui, Bleocharis acicularia, Sagittaria pygmaea, and Cyperus serotinus in rice. 81860-84-6
RL: BIOL (Biological study) (herbicides contg. acetamides and) 81860-84-6 CAPLUS
Ethanone, 2-(4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-1-phenyl- (9CI) (CA INDEX NAME)

L8 ANSWER 23 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1982:406294 CAPLUS
DOCUMENT NUMBER: 7:6294 CAPLUS
1,3-Dimethyl-4-(2,9-dichlorobenzoyl)-5-substituted carbonylmethoxypyrazole
Ishihara Sangyo Kaisha, Ltd., Japan
Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

DOCUMENT TYPE: Patent Japanese

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 57031666 A2 19820220 JP 1980-105947 19800801

PRIORITY APPLN. 1NFO.: JP 1980-105947 19800801

AB The herbicidal (no data) title compds. were prepd. by reaction of 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxypyrazole (I) with ClCH2COR [R = (aubsticuted) Ph, (halogenated) MeGl]. Thus, refluxing a mixt. of MeCN 15 mL, 1 2.0, PhCOCR2C1 1.1, K2C03 1.0, and KI 0.0 6 g for 1 h gave 2.7 g 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-(phenacyloxy) pyrazole.

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN 81042-70-8 CAPLUS

CN 1-Propanone, 1-4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-2,2-dimethyl- (9CI) (CA INDEX NAME)

ANSWER 22 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

ACCESSION NUMBER: DOCUMENT NUMBER:

ANSWER 24 OF 32 CAPLUS COPYRIGHT 2003 ACS
ISSION NUMBER: 1981:550653 CAPLUS

MENT NUMBER: 95:150653
4-Benzoyl-5-hydroxypyrazoles
1ahihara Sangyo Kaisha, Ltd., Japan
Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF TITLE: PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: Patent LANGUAGE:

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. JP 56043271 A2 19810421 PRIORITY APPLN. INFO.: JP 1979-118043 JP 1979-118043

AΒ ΙT

79320-47-6
RE: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with hydroxypyrazole)
79220-47-6 CAPULS
Methanone, (1,3-dimethyl-1H-pyrazole-4,5-diyl)bis{(2,4-dichlorophenyl)-(9CI) (CA INDEX NAME)

ANSWER 24 OF 32 CAPLUS COPYRIGHT 2003 ACS

ANSWER 25 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

L8 ANSWER 25 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1980:420752 CAPLUS
DOCUMENT NUMBER: 93:20752
ITTLE: Synergietic rice paddy!
KONOCSUNE, Takao; Kawaku 93:20752 Synergistic rice paddy herbicides Konotsune, Takao; Kawakubo, Katsuhiko; Honma, Toyokuni PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan Jpn. Kokai Tokkyo Koho, 9 pp. CODEN: JKXXAF SOURCE: DOCUMENT TYPE: LANGUAGE: Patent Japanese FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE A2 B4 A2 JP 55035038 JP 61016247 JP 60214712 JP 63027321 19800311 JP 1978-108387 19780904 19860428 19851028 JP 1985-43500 19850305 PRIORITY APPLN. INFO.; JP 1978-108387

A compn. contg. 1-{.alpha.,.alpha.-dimethylbenzyl)-3-(p-tolyl)urea (A) [42609-52-9] and pyrazoles I (X = H, 4-toluenesulfonyl or CH2nY where Y = alkoxy, alkylthio, alkoxycarbonyl, acyl, or substituted Ph or benzoyl) is a synergistic rice paddy herbicide. Thus, a compn. contg.
1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxypyrazole [58010-98-3] [14 AB

3 g/are) controlled Echniochloa crus-galli, Scirpus juncoides, Sagittaria pygmaea, Cyperus serotinus, and other broad-lead weeds in rice. Either one of the components alone failed to control all of the weeds. Prep. data is given. 74109-78-7
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic herbicidal compn. contg.) 74109-78-7 CAPLUS 2-Propanone, 1-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-1H-pyrazol-5-yl]-(9CI) (CA INDEX NAME) ΙT

L8 ANSWER 26 OF 32 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1980:175648 CAPLUS 1980:175648 CAPLUS 92:175648 DOCUMENT NUMBER: TITLE:

92:17:648
A mechanism of chlorosis caused by
1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5hydroxypyrazole, a herbicidal compound
Kawakubo, Katsuhiko; Shindo, Masahiro; Konotsune,

AUTHOR (S):

CORPORATE SOURCE:

Kawakubo, Katsuhiko; Shindo, Masahiro; Konotsune, Takuo Agric. Chem. Res. Lab., Sankyo Co., Ltd., Yasu, Japan Plant Physiology (1979), 64(5), 774-9 CODEN: PLPHAY; ISSN: 0032-0889 Journal English

DOCUMENT TYPE:

LANGUAGE

In org. solvents, 1,3-dimethyl-4-(2,4-dichlorobenzoyl)-5-hydroxypyrazole (I) [58010-98-3] converted chlorophyll a [479-61-8] and b [479-61-8] extd. from rice seedlings (Oryza sativa) into pheophytin a [603-17-8] AB and

b [3147-18-0], resp. On comparing the chlorophyll-converting activity

b [3147-18-0], resp. On comparing the chlorophyll-converting activity of I with those of acetic, glycolic, 2.4-dichlorobenzoic, monochloroacetic, 2.5-dichlorobenzoic, pyrvvic, and dichloroacetic acids, it was demonstrated that I induced H+ into chlorophyll specifically. 5-Hydroxypyrazoles, which seem to be dissociable, converted chlorophyll into pheophytin in vitro. These compds. also induced chlorosis in sedge acedlings (Cyperus acrotinus), when the seedlings were grown in media contg. these compds. However, 5-hydroxypyrazoles, which seem to be undissociable, and analogs having no hydroxy group caused meither the chlorophyll conversion in vitro nor chlorosis in the seedlings. Chlorosis in barnyardgrass seedlings (Echinochlos crus-galli) induced by I was reversed by cultivating the seedlings in media contg. I plus NaOH, KOH, NHOM, Ca(OH)2. Na acetate [127-09-3], Na pyruste [113-24-6], Na succinate [113-24-6], or Na fumarate [4047-56-4]. Accumulation of the vinylpheoporphyrin [72619-82-0] fraction in 4-day-old etiolated radish cotyledons (Raphanus sativus) was enhanced by incubating the cotyledons with delta.-aminolevulinic acid [106-60-5] in the dark. However, simultaneous treatment with .delta.-aminolevulinic acid and I reduced accumulation of the fraction and promoted formation of the uro [26316-36-9], copro [14643-66-4], and protoporphyrin [27121-71-7] fractions. I blocks the synthesis of protochlorophyllide in intact plants and induces consequent chlorosis. The H+-donating activity of I might

fractions. 1 blocks the synthesis of processions, fractions of I might and induces consequent chlorosis. The H+-donating activity of I might cause the redn. of protochlorophyllide biosynthesis.

IT 72619-87-5
RL: BIOL (Biological study)
(pheophytin formation by action of, from chlorophyll)
RN 72619-87-5 CAPLUS

. ANSWER 26 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued) Methanone, (2,4-dichlorophenyl)(1,3,5-trimethyl-1H-pyrazol-4-yl)- (9CI)(CA INDEX NAME)

L8 ANSWER 27 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER:
DOCUMENT NUMBER:
1978:553486 CAPLUS
89:163486
1,4- and 1,7-Addition reactions of 4-(substituted benzylidene)-3,5-dimethylisopyrazoles
Kurihara, Takushi; Sakamoto, Yasuhiko; Sakaguchi, Toshiko; Hirano, Hiroshi
CORPORATE SOURCE:
SOURCE:
COENCE:
COENCE:
DOCUMENT TYPE:
JOURNAL

1141-6
COENC: COENC: CPBTAL; ISSN: 0009-2363
JOURNAL

LANGUAGE:

$$\begin{array}{c} \text{Me} \\ \text{N} \\ \text{N} \\ \text{Me} \end{array} \begin{array}{c} \text{II} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{Me} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \\ \text{N} \end{array} \begin{array}{c} \text{N} \\ \text{N} \end{array} \begin{array}{$$

Treating the title isopyrazoles I (R = 2-NO2, 3-NO2, 2-Cl) with Ac20, Me2SO4, or MeOR gave the 1,4-addn. products II (RI = Ac0, R2 = Ac; RI = Me0, R2 = Me; RI = Me0, R2 = H; resp.). Brominating I gave RCSH4CHO and 4-bromo-3,5-dimethylpyrazole; treating I with Accl, Bzcl, Eto2Ccl, and 4-MeC6H4SO2Cl in pyridine at 50-60.degree. and then hydrolyzing gave II (RI = H0; R2 = Ac, Bz, Eto2C, 4-MeC6H4SO2; resp.). Treating I (R = 2)

(R1 = HO; R2 = Ac, Bz, Eto2c, 4-MeC6H4SO2; resp.). Treating I (R = 2-NO2)
with AcCl, BzCl or Eto2CCl in the absence of pyridine gave the pyrazolylanthranils III (R3 = Ac, Bz, Eto2C; resp.) via 1,7-addn. of the chlorides.

IT 57412-15-46 67714-66-3P 67714-68-5P 67714-69-6P 67714-75-4P 67714-75-5P
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

(prepn. of)
57412-15-4 CAPUUS
1H-Pyrazole, 4-[(2-chlorophenyl)methoxymethyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

ANSWER 27 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

67714-66-3 CAPLUS
1H-Pyrazole-4-methanol, 1-acetyl-.alpha.-(2-chlorophenyl)-3,5-dimethyl-,acetate (ester) (9CI) (CA INDEX NAME)

67714-68-5 CAPLUS
1H-Pyrazole-4-methanol, 1-acetyl-.alpha.-(2-chlorophenyl)-3,5-dimethyl-(SCI) (CA INDEX NAME)

67714-69-6 CAPLUS 1H-Pyrazole-4-methanol, 1-benzoyl-.alpha.-(2-chlorophenyl)-3,5-dimethyl-(9CI) (CA INDEX NAME) L8 ANSWER 27 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

67714-72-1 CAPLUS
1H-Pyrazole-1-carboxylic acid, 4-[(2-chlorophenyl)hydroxymethyl]-3,5-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)

67714-75-4 CAPLUS
1H-Pyrazole-4-methanol, .alpha.-(2-chlorophenyl)-3,5-dimethyl-1-[(4-methyl)-pully) aufonyl]- (9Cl) (CA INDEX NAME)

67714-76-5 CAPLUS
1H-Pyrazole-4-methanol, 1-benzoyl-.alpha.-(2-chlorophenyl)-3,5-dimethyl-,

ANSWER 27 OF 32 CAPLUS COPYRIGHT 2003 ACS benzoate (ester) (9CI) (CA INDEX NAME) (Continued)

ANSWER 28 OF 32 CAPLUS COPYRIGHT 2003 ACS , methyl ester (9CI) (CA INDEX NAME) (Continued)

L8 ANSWER 28 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1978:546684 CAPLUS
DOCUMENT NUMBER: 89:146684
Molecular structure of azines of
3-acetyl-4-hydroxy-2-

methoxy-4-phenylcrotonic acid lactones Kurihara, Takushi; Sakamoto, Yasuhiko; Mori, AUTHOR(S): Masanobu;

Sakaki, Toshimasa Osaka Coll. Pharm., Osaka, Japan Heterocycles (1978), 9(8), 1041-6 CODEN. HTCYAM; ISSN: 0385-5414 Journal English CORPORATE SOURCE:

DOCUMENT TYPE: LANGUAGE: GI

Treatment of I (R = H, Cl) with N2H4.2HCl gave a mixt. of the corresponding II and III. Crystal structures of II (R = Cl) and III (R = Cl) were detd. (R = Cl) = (R

īТ

IT 67735-39-1P
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
RN 67735-39-1 CAPLUS
RN 1H-Pyrazole-3-carboxylic acid,
4-[(2-chlorophenyl)methoxymethyl]-5-methyl-

L8 ANSWER 29 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1975:514283 CAPLUS
DOCUMENT NUMBER: 83:114283
TITLE: 8104 Colored and chemical reactivities of the

condensation products of o-substituted benzylidenacetylacetone with hydrazine

dihydrochloride AUTHOR(S):

Kurihara, Takushi; Sugiyama, Mariko; Hirano, Hiroshi; Tomita, Kenichi; Sakaki, Masayoshi Osaka Coll. Pharm., Osaka, Japan Journal of Heterocyclic Chemistry (1975), 12(3), CORPORATE SOURCE:

SOURCE: 541-5

CODEN: JHTCAD; ISSN: 0022-152X

CODEN: JHTCAD; ISSN: 0022-152X

DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.

AB Reaction of o-O2NC6H4CH:C(COMe)2 with H2NNH2.HCl in NeOH gave
4-(alpha.-methoxy-o-nitrobenzyl)-3,5-dimethylpyrazole hydrochloride
(I,HCl), whose structure was unambigously confirmed by an X-ray
crystallog. analysis, via 4-(o-nitrobenzyl)-dimen-)-3,5-dimethylisopyrazole
II. II was synthesized by condensation of O-O2NCGH4CH: C(COMe)2 with
H2NNH2.2HCl in MeCN. Analogously the corresponding o-chloro derivatives
were obtained. These were converted to N-methyl and N-acetyl
derivatives.

derivatives

T 37412-15-4P 57412-17-6P 57412-19-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 57412-15-4 CAPLUS

1H-Pyrazole, 4-[(2-chlorophenyl)methoxymethyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

57412-17-6 CAPLUS 1H-Pyrazole, 4-[(2-chlorophenyl)methoxymethyl]-1,3,5-trimethyl- (9CI)

INDEX NAME)

ANSWER 29 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

57412-19-8 CAPLUS
1H-Pyrazole, 1-acetyl-4-[(2-chlorophenyl)methoxymethyl]-3,5-dimethyl-(9CI) (CA INDEX NAME)

L8 ANSWER 30 OF 32 CAPLUS COPYRIGHT 2003 ACS (Continued)

ACCESSION NUMBER: DOCUMENT NUMBER: TITLE:

ANSWER 30 OF 32 CAPLUS COPYRIGHT 2003 ACS

ESSION NUMBER: 1972:552091 CAPLUS

T7:152091 CAPLUS

T7:152091 CAPLUS

T7:152091 CAPLUS

T8: New rearrangement reaction leading to dihydropyridazinone derivatives

FUSCO, RAEfaello; Dalla Croce, Piero

PORATE SOURCE: Ist. Chim. Ind., Univ. Milano, Milan, Italy

GAZZETTA CHIMICA Italiana (1972), 102(6), 431-44

CODEN: GCITA9; ISSN: 0016-5603

JOURNIT TYPE: JOURNAL English AUTHOR (S)

CORPORATE SOURCE: SOURCE:

DOCUMENT TYPE:

DANGUAGE:
English
GI For diagram(s), see printed CA Issue.
AS Seven 4,5-dihydro-3-pyridazinones (I, R = CO2Me, CO2Et, Ph, etc.; R1 = R

Ph,
substituted phenyl) were prepd. by refluxing the
4-phenacylidene-5-hydroxy2-pyrazollans (II) in PhMe. I-structures were confirmed by anal., ir,
NMR, and some chem. reactions. On the basis of the kinetic measurements
of the reaction a mechanism of the rearrangement is suggested.

IT 37915-36-99 37915-37-09
RI: SPN (Synthetic preparation), PREP (Preparation)
(prepn. of)
RN 37915-36-9 CAPLUS
CN 1H-Pyrazole-3-carboxylic acid, 4,5-bis(2,6-dichlorobenzoyl)-1-phenyl-,
ethyl ester (9CI) (CA INDEX NAME)

37915-37-0 CAPLUS
1H-Pyrazole-3-carboxylic acid, 4,5-bis(2-chlorobenzoyl)-1-phenyl-, ethyl
ester (9CI) (CA INDEX NAME)

ACCESSION NUMBER: DOCUMENT NUMBER:

ORIGINAL REFERENCE NO.:

TITLE:

AUTHOR(S): CORPORATE SOURCE: SOURCE:

DOCUMENT TYPE: LANGUAGE:

47.5%

P2014- was liberated. Similar treatment of I or II in the presence of added (Bu4N)2HP04 gave 68-9% P043- and 31-2% P2077-. The same reaction with I in the presence of180-1abeled (NBU4)3P04 gave 11.1, 5.1, and 3.9 atom-% excess 180 in added P043-, product P043-, and product P2077-,

atom-% excess 180 in angew Fows., product..., ..., with II the same products were formed with 21.4, 12.8, and 8.0 atom-% excess 180, resp. The data are consistent with two pathways for the breakdown of quinol phosphate by Br in dry HCONMe2 involving both P-O and C-O bond fission.

IT 91721-17-4, Pyrazole, 4-(o-chlorobenzyl)-3,5-dimethyl-(prepn. of)
RN 91721-17-4 CAPLUS
CN Pyrazole, 4-(o-chlorobenzyl)-3,5-dimethyl- (7CI) (CA INDEX NAME)

L8 ANSWER 32 OF 32 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1964:411195 CAPLUS
OCCUMENT NUMBER: 61:1195
ORIGINAL REFERENCE NO: 61:1807d-e
TITLE: Cyclization of o-chlorophenyl-.beta.-dicerbonyl
compounds through dicerbanion-benzyne intermediates
Harris, Thomas M.; Hauser, Charles R.
CORPORATE SOURCE: Duke Univ., Durham, NC
SOURCE: JOOTS. Chem. (1964), 29(6), 1391-4
CODEN: JOCCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OI For diagram(e), see printed CA Issue.
AB Bunnett's principle of ring closure involving the intramol. reaction of an
anion with the benzyne moiety was adapted to certain cyclizations in
which
the terminal Me group of an o-chlorophenyl .beta.-diketone or
.beta.-oxoaldehyde was condensed with the aromatic ring through a
dicarbanion-benzyne intermediate. The cyclizations, effected by excess
KNH2 in liquid NH3, afforded, e.g. I and II.
IT 91721-17-4, Pyrazole, 4-(o-chlorobenzyl)-3,5-dimethyl(prepn. of)
N9 1721-17-4 CAPLUS
CN Pyrazole, 4-(o-chlorobenzyl)-3,5-dimethyl(7CI) (CA INDEX NAME)